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<210> 22297
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<212> DNA
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<400> 22297

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<210> 22298
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<212> DNA
<213> Aspergillus nidulans

<400> 22298

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 <213> *Aspergillus nidulans*

<400> 22299
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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 22301
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<210> 22302
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22302

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<210> 22303
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 <212> DNA

<213> Aspergillus nidulans

<400> 22303

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<210> 22304

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 22304

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<210> 22305
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22305
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 cgaggaagaa atcgcaaagg cgctggaaat catcaaggcc gccgtggctg agctgccgaa 780
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tctcgagaac

850

<210> 22306
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22306

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<210> 22307
<211> 395
<212> DNA
<213> *Aspergillus nidulans*

<400> 22307

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<210> 22308
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22308

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<210> 22309
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22309

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 <213> *Aspergillus nidulans*
 <400> 22310

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<210> 22311
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22311
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<210> 22312
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22312
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<210> 22313
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 <213> *Aspergillus nidulans*

<400> 22313

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<210> 22314
<211> 557
<212> DNA
<213> Aspergillus nidulans

<400> 22314

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<210> 22315
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22315

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<210> 22316
 <211> 667
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 22317
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 22317

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<210> 22318

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 22318

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tcgttccgtc ctttaagcata ttcgcgatac agagagctct gttcagccga cccgggatca 420
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<210> 22319
<211> 506
<212> DNA
<213> Aspergillus nidulans

<400> 22319

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<210> 22320
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22320

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<210> 22321
 <211> 824
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 22322

<211> 791
 <212> DNA
 <213> Aspergillus nidulans

<400> 22322

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 <212> DNA
 <213> Aspergillus nidulans

<400> 22323

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 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
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 <213> *Aspergillus nidulans*
 <400> 22325

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<211> 439
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<213> Aspergillus nidulans
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<210> 22327
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<212> DNA
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<210> 22328
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 <213> *Aspergillus nidulans*
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<210> 22329
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<212> DNA
<213> Aspergillus nidulans

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<210> 22330
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<212> DNA
<213> Aspergillus nidulans

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<210> 22331
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 <213> Aspergillus nidulans
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 ggtggtcgta cacatcggcg gtggtcctta ccatggacac tacgtttcga tcatcaagac 180
 ccaggataga ggttggctgc ttttcgatga tgaaatggta gagccggtgg ataagaacta 240
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 ggagacaacc 310

<210> 22332
 <211> 743
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22332

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ctgatttctt acaacgaaga gttggccac aagctcacca ccgaacctgc agatattatc 180
 cctctggtaa gtagccctcc cttggctgag tggcgaagac ttactgacat atgataactt 240
 agtttgaggc agctctgcag caatgtactc agcgaattgt ctatccctcg caacgagata 300
 tcgtgcttcc aaccaccaa cttctgctcc actcttcagc cactcacatc tccattcgcg 360
 acctgaatgc aacgaatata tcccaccttg tccgtatccc aggtatcgta atcgggtgcct 420
 caacaatata ctccaaagca acgaccgtcc acattcgctg caaatcttgc gatcacgctg 480
 agaatatccg ggctcgaggt ggtttctccg gcctaacact tccaagccgg tgcggctcgtg 540
 agcgccaacc cgggtgaagag cccgacaccc agtgccccct tgacccatac gttgttgccc 600
 acgaaaagtc ccagtttgtg gatcagcaag tgctcaagct ccaagaagcc ccggatcaag 660
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<210> 22333
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22333

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 agtctggatc gcgacggcgc gtcgctatca acgctctacg agaattgccg ctcgggtgtca 180
 gcgcgcagtc caagggctgg ctatgtctc gttgttcgtg acgcttcacc gtccgcacgc 240
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 ggggagtgtc tcctgtggcg ggcgagcgtt ctccgcccgc ctctgcctc gtcagtatg 360
 gccgacggcg atggaggcgt atactccgag gaagctttgg aacgggcagg actcccaccg 420
 ccaccgagcg cggatacaac gaacgttggt aggtccacaa cactgcgggg tgagaaggca 480
 cagccgaaat cgcttgacc gcatacacat gggcttgctc aaggaggggc tactaatagc 540
 ggaactacaa cccccgaccg aatccgcttc aaagcatttc cttatagtgg ggtgaatgat 600
 tacatgatgt tttgcgagac ggggtttctc agcttaggtg gagggtgagt ttgaatcctt 660
 cttttacaat ctccaggaat ggcaggagga gctaataaat tgatctgtca gagacggcca 720

ctacgggtcta tggctcgatt caatcctcga aaaggggtgtt agcgcatcgt gtcaaacatt 780
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<210> 22334
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22334

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 gcagagggta ggaatgaccc gtccttggat tgatagggtc cccagtgtcg cggggaattt 180
 tttggaagag atggattcaa tattagggtt ccggctatct catgtaatcg cagacggggc 240
 aaactcagaa ctcaacaaga cagaaaattc acagccggct ataatggcaa cgtcagtgtc 300
 aatactccgg atacttgaaa cggagttcgg ctctgatacg aaaagtcggg tggatgtgac 360
 cctcggacat agcttatgag agttttccgc actggtggcc ggtggctata tccatttcag 420
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 cggttgcaga tcccgtggac 500

<210> 22335
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22335

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 accagtgggc ggaacagag aatccactat ggggtttgac aatcaatcct cgtgacctg 180
 cgctcacacc tggcggtct actggcgggc aggtgcgct gcttgcatg catggttcta 240
 tcttgggggt tggtagac atcggcggtg gtattcgaat cccgcaaagc attctgggat 300
 tgtatggatt caaacctagc gtacgtctac cgtttcgct aagcacgca attacaactg 360
 cagctaacaa tggagtagag tggcaggctg cctatcgcg gcgtccccgt ctccacggag 420

ggccaagagc acgttccctc atccgttggg ccaatggccc gcgatatcaa ctcaatatac 480
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 ctgccgtgga atgaaagcgt cttccggggc atacagtccc ggccactggg aatagggtttg 600
 attctggacg atgggggtgg aaagatacat cctcccatcg aacgtgcatg gcgagaactt 660
 gcagccaagc tcgaagcaaa cgcccatgaa cttgtcacct ggaatacatc ggaccacctc 720
 aaatgcataa gtctgatgga tcgatactat accgtttatt gaaagagaga atatttttcc 780
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<210> 22336
 <211> 738
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22336
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 aggccgtccg agcctcagtt gggccatacc gtgtcagtgt ccgccggaaa tgggcctgca 120
 aaggctctca gtagcccaa gcacaagcac tcgtccagca agtcgctgaa gaaggaaaag 180
 aaggaaaaga agctttacag ccggtcgttc aactttgaga aagagaagcc ggaaatgctt 240
 caaacactag cttcttcttc ggtcgccagc acaaactctt ttaatgctct taagcgtgtc 300
 aaccgagaga cgcagcgtgt gagtgaagat gcagaggccc tcaacagggt tgagacgtgt 360
 aaacaactgc gccgtcagat actccggtac atccaacacg tggagagtga ggaatatctt 420
 ggaagtctta tccatgctaa tgaggagttg gtgtccgcac tcatggcatt tgagggtgtg 480
 gacaaaagtg tggactacga tagtgatagt gatcaggacg ttcttgaaag cggctggaca 540
 cccgaccgag aagtcagcga atcctttact gggctatcca ttaaccctcc aaaaccgccc 600
 cgtctactc gaccattgag catttctgta ccttcattct ctacacacag accggaatat 660
 gataccgaga gtgagtcgga atttgagcct gatgatgatg acgagaacaa cccttttggg 720
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<210> 22337
 <211> 596

<212> DNA
 <213> Aspergillus nidulans
 <400> 22337

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 tggactgctc tatgtcaggc attcttgagc ccattgatgc tctcgccgca acgtacggac 180
 taaacggaga acaaccggat gaggaggaag acgtaacaga tgttacgccc gtttcagacg 240
 gggctttaga aagccggaaa ccaaccggg cagatctgtg cttttcgctg caggagacgg 300
 tattctcgat gttggtggaa attacagagc gcgccatggc acatgttggg tcgaaggaag 360
 ttttgattgt tggcggagtc ggatgtaatg agaggctgca ggagatgatg gggatcatgg 420
 cgcgggatcg cggaggcagt gtgcatgcca cggatgagag gttttgtatt gacaacggga 480
 ttatgattgc ccaggctggt atgctcgcat ataagacagg cttccggacg ccgctcaagg 540
 aatctacgtg cacgcagcgc ttccggacgg atgatgtatt tgtgcaatgg agagat 596

<210> 22338
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22338

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 cgaagaatga tgacattttc aagtaagagt aatgagcgtc attgttaggg tgcctgctaa 120
 ctcacgaag ggacggagat atggctcctg ttgacggagg cgggtgatgt ctccttgggt 180
 tcaaaaactt ggattttgct aattgctgca ggaattgggc acttatattt cagacattac 240
 ccggacttgg ccagtaaacy gcaagttctc ggatccgcag cgcgacctct ataatgcggt 300
 gttgaacgtg catcgcagct gcgtctccct ttgcaggag agcgctggcc tctcgcttga 360
 ccgcttacat ggtatcgctg aaaatggatt gaaagatcaa ttgacacagc tgggctttga 420
 tctctcgga gatgtatgtc aaccgtacgt aatgtggctt gaccgtcggc gctgaccgca 480
 accaggcatt gaggactctt tttccacacc acttgggcca ctacatcgga ttagatgtcc 540
 acgactgtgc cgggtattct aggggctatg accttaaggc cgggtcaatgt atcacgattg 600
 agccgtgagt atccatactg tacctttgat atccatactt accaatacca ggggcatcta 660

tgttccggac gatgaccgat ggccggccaa attccgaggc gtcggaattc gaattgagga 720
 tagcgtttgt gtcggcgacg acaatcctat tgtattgact acggaagcag tgaaagaggt 780
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 cccaggtgga 850

<210> 22339
 <211> 776
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22339

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 gactacgaga tcgctgttgt acgaagtaat atgtccgctt gctacttgaa gttaggagat 180
 tggaaggctg ctgtcgacag cgcaaatgct tgtattgagg gcctggatcg ggttggtccc 240
 ccttcgcagc ccgaggatgg taaggaaggt gcggcggaagg aggcggattc cgtggtggaa 300
 atccccgttg atgacgaggt caacgagcaa gcggcactac agaggatcaa ggaaaacgac 360
 gagcggaaac gggatgtcgc gcgcattcgg gcgaaggctc tgatgcggcg ggcgagggcc 420
 aagagtgagt tgggtgggtg ggcaatttg caggggtgcgg aggaggatta caagcttctt 480
 gctgggatgg agaatcttcc accaagtgat aggaaggctc tccaaaaggc gttgcggggag 540
 cttccggcaa ggataagtaa agcgaaggag gttgagatgg gggagatgat gggaaagtta 600
 aaagaagtaa gtgactgtcc tattactgtc tggatatttt gacttgctaa ccaccgtagc 660
 tgggaaatgg tattcttaag ccgtttgggc tgctcgacaga caacttcaaa ttcgttcagg 720
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<210> 22340
 <211> 455
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22340

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 agcataattg tggcaatagc gacagctaca acagccggcc ttacaaccgt accggtaacg 120

gcgctgactt cagtgaccag tccggcgggt atggcagacg gtccaaccct gataccagca 180
 accgcggcta cctctcgtc accgaggatg gcgaggagat ccagacgcag aacatcagta 240
 ttcccgtga catggttgga tgtatcatcg gcagaggagg aaccaagatc accgagatcc 300
 gccggagctc cgggggccgt atttctattg ccaaggctcc tcacgatgaa accggagaac 360
 gcatgttcac catcatggga agcgcccagg caaacgaaaa ggccctgtat cttctgtacg 420
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<210> 22341
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22341

cgggccattg tgtctcatgg aaggaccatg accactagtg tcttgtttgc cgattgtatc 60
 accgttatca accgctacgc cttcttttct agcgagtttc cactcgatcat atcccttgaa 120
 gtgcactgca accctgaaca gcaaattgct atgggtgaaaa tcatgaagga gaccttcgga 180
 gaaaagctga tcttagagcc gcttttctaac tcattcgttc tcccctcgcc agaagagctc 240
 aagcgtcgta ttctcatcaa ggtcaagacg tgtgatgaga cggaataat acgacaagac 300
 ccaataactt catttcatgg tcggaagccg aagctcaagt tctcctttca ttcgcccttc 360
 gatgtccgat ggacctacat tacctaacct tccgtcgctt tcaagtccac ccacaatagg 420
 tgcagattgc ccgggtccat tcttggtacc cgagaggagg tcattgacta ccaccagcat 480
 cagcagcgcc actgaggaca gtgacgggtg tcttgctctcc gtcaggaaa agagaagaag 540
 gcggcaaaag agcaaatca ctaagccatt gtccgacttg ggagtgtaca cacgcggcta 600
 caaatggcat agctttgcct ctgcggagag ccaagcattc aaccacgttt actcctttgc 660
 cgagcgggtct ttgaaagta ttgtcggga gccagcaac aaggcccttt tcgagaagca 720
 taattcaaaa tatctgacgc ggttatatcc ctccggtttt cggctacgat cgtctaactt 780
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 tgacattggt 850

<210> 22342
 <211> 574

<212> DNA
 <213> Aspergillus nidulans
 <400> 22342

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 tttgtttttc ttgggttcaa agaaaagcct cgccaaacca ctcccgacta cctcacgtcg 120
 tgtacggatc catttgaaag ggagtacaaa gagggacggg acccttctaa cgttccatct 180
 acgcctgagg cactcgcagc ggcctttgat aactctatct acagtcagaa tcttgccaca 240
 gaaatgaacg aataaccgcca gcagatacat catgagaagc aggtctacga agatttcgag 300
 attgccaacc aagaggcgaa gcgtaaattc acttccaagt catcagtcta ccttatacca 360
 tactacctgc aagtatgggc tctgatgcag ggccaggatc ttatcaaacg gcaagacaag 420
 tttgcctca atgtcttctg gattacttac accggtgtgg ctattattct tggaaccagt 480
 tggcttaatc ttccaaaaaa cgagcccgag cgttactagg ggttggctta ttttaccagc 540
 tttcttttaa cggttttcaa cttttttcga gctt 574

<210> 22343
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22343

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 ttacagccaa atatgaagct gctgcataac gaagagcaag ctacaccagg ccagatccat 180
 gaataccagc agaaaaccgg ctcagctcta tttccaacaa tcattaccag gcctgatgca 240
 gccctagccg tcaacgagct tgcaagattc tctaggaacc catcgccaag tcatatggaa 300
 gcgattaatc aagtcattgc ctacctatat catacacgat atctagcgct tgaattcagc 360
 gcaagtgagt atgctgatga gatcttcata tgcacgagtg atgcctcatt tgccaataat 420
 gaagacagaa aaagcaccgg aggttaccta tgcaagctct ttggggctcc aattgaatgg 480
 aaatccggca agcaacgagc tgtcacgacc ctctacaaca gaagcggaat atgtcgctct 540
 agcagaagct gctaaggcaa catattggtg gcgtcgagtt ttcaaatacat tggaatttga 600
 ccctggatcat acatttgctg tatattgtga taacaagcaa actattgacc tgcttgtaaa 660

ggatacagcg caacgaagca agctacgcc a tgttgatatac aacagatcat ggctccggca 720
 ggaggtccag gaagggagac ttcatatcaa atggatccct accaatcaga tgacagcgga 780
 cggttttacc aagcctctcc ctgttcaaaa acaccaaaaa ttcatacaaga tgctcaatct 840
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<210> 22344
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22344

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 gcacaagaaa cttcacgtg caatcggctg gtcgactaag actcttgcta gtggtgccag 120
 ccatgagtcc tggcttgggt ttctgacgg tgagatctcg acaacgtaca actgtgttga 180
 ccgtcacgtg ctcaatggga atggggacaa cgtcgctatt atctgggact cggcggtgac 240
 ggggaagaag gagaaatata catatcgaca attgctggat gaggttgagg ttctggctgg 300
 agttctgagg gaggagggtg taaagaaagg ggatgtcgtc atcatctata gtatgtctcc 360
 cattgcaggc ctctctgtcg gttcggagga gctggtagct aatgcagaca gtgcctatga 420
 taccggcggc gctgatcggg gcgctggctg tcgctcggct ggggtgcaatc cacgcggctg 480
 tcttcgggtg attcgcggcc aaatcgctgg cgcagcgc atgaggcggca cggccgcggg 540
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 tgggtggagg agccatcgaa gccagcagct tcaaaccgga gaaggactt atctggcaac 660
 gagaccagct gcgatggaat aatccggata aactgggcgg gcagcgaaac tggaacaggc 720
 tcgtaaagag cgcgcggatg cggggtattc gtgctgagcc agtaccagtc agaagcactg 780
 acggtttgta tatcatctat accagtggta tgtcaccgtc caacgtgcgt tccataaacg 840
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<210> 22345
 <211> 727
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22345

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 ggtccataat gctccaggaa gaaattgaga ctctgctgtt ggagactcag cagcttacct 120
 aagaaatgcg tcgagtcgct gaacttgctg acaaagcatg gagggagtcc gaaagctact 180
 ctcaaatcct tgggtgactg gaaggtaaac ggattgaagc gaagagtatc caagccacga 240
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 aagccgagta tggaaaacat gagaatgaca aggccaaactt tgagcgccag gtcgaaaggc 480
 gtcagcgcat gtccaaaggc cttgcacgaa gctacaacat cagcgggttt gatacaattg 540
 tggaccagtc agatgtggag gaattcatgg caagaatacg gaagattcta aaagatcaga 600
 cccaggtctt ggaccgagct aaaagagagg cacagggtga attacgtgaa gcgcagacat 660
 ccctgaacca gatcagttag cgcaagtccg tgttcaagaa agcaaaaacg ccgcgcagtg 720
 acagata 727

<210> 22346
 <211> 615
 <212> DNA
 <213> Aspergillus nidulans

<400> 22346

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 atggttgata gcctacagac gccggatgga atcacgcttc ctcggggcgc aacagtggca 180
 ctgctcgac gagccgcca gactgacca gatattctat ccaaccgaa caaattcatc 240
 cctttccgcc atgccgttcc aggcgggaaa caattcgccg ccacgggaga gaatttcctg 300
 gctttcgggc acgcaagca cgcgtgccct ggacggtttc tegtgtctgt tgagttgaaa 360
 atgttggttg cacatatact gagacactat cacatcgagc tgccggctga gtacggtggt 420
 aaacggccaa aggcagtttg gtttactgac ttgaatttac cgccgcagca tggagtaatc 480
 agggatgaaga gatgtgtata atgggctttg tactagtact cacttagtgc aaaatgtaga 540
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ctattgctca gttcc

615

<210> 22347
<211> 591
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 22347

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caccaccaac aataccacac tcaccataat ccaaaccata tcacacccac aaacaaaaaa 180
catatctaca aacacaaact taaatcacca accaccctt tactaaaatt atacaaaacc 240
cccatccaaa tctaccatac atcaaccata ttaccttaac cacacccctt aacaccaacc 300
cangtcttct acaccctctt cccaaaacac caacacatcc catacacacc accactccca 360
ccaatcaaca ccctcaaaaa cgcccttaca ctaacataaa aaaaccaccc ttatctcacc 420
aacaaaattc ctaacaattt tctcaciaac accaacaaaa tcacattcct gaaccaaccc 480
caaccgaata atataaacag ccactcacca acaactcata ccaatccaac ccggtcatac 540
caaccaca caaaaaaaa ccaaccttaa tccacaatcc ccacttcac a 591

<210> 22348
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22348

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tcaagagcgt caataacccc gtgacgatca agttcacgc tacttctgca cagacagggtg 360
ctgcaactct ccgcataggc acaaccctct cttcgctgg tggtcggccg caggcaacgg 420

taagcgactc agccgcctct ggtcaataaa gcaaaacagc aatgcagtgt aactgacaat 480
 catgaaatcc agatcaacag ctataccggc cgggtcctt aagcgccaac taatctcaac 540
 tcccgaggtg tcacgcaagg tgcttaccgt gggcttgga aggtgtatga tgtagcgtg 600
 cccgctggaa caattgttac gggcgagaat acggttcgtc ccattgctaa tacattctgg 660
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 tcaggtgacg cttcttgag ccctaactg gtacgtatca ttcattgctt tctacattac 780
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 acttttccag 850

<210> 22349
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22349
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 gaaaatgggg tggacctgtc gtcccaggac cagcccttga ggggtgaccg ggattcatgg 780
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<210> 22350
 <211> 431
 <212> DNA
 <213> Aspergillus nidulans

<400> 22350

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aaaaagaaag agcaaaacag gaaacaagaa agcgaacaca tagaccaacc gggaacgaag 240
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caaagaacgg gggccagaaa aaacaacgga acaaaacaaa aaacgggacc agggaaaaaa 360
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<210> 22351
 <211> 513
 <212> DNA
 <213> Aspergillus nidulans

<400> 22351

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gagcagcaat atttttggcg gaaaccgaaa tga 513
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<210> 22352
 <211> 500
 <212> DNA

<213> Aspergillus nidulans

<400> 22352

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aatctcagag taatagcacc ggcgccagca ccgaatgccc acctgacgtc gaagccctcg 180
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gggtctgcgc agacgatttc cggaactgga tggcggagcc aagtggtaag aaccagccgc 360
gactcggcgg gagaagttag tttgggaatt ggatgtgcga ggcgcataat gaagtgaatc 420
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<210> 22353

<211> 783

<212> DNA

<213> Aspergillus nidulans

<400> 22353

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gctttgacgg ccgccgtaaa aacatacgag cagctcctcg ctgtgcgtgc aaccctcggc 180
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<210> 22354
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22354

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<210> 22355
 <211> 639
 <212> DNA
 <213> Aspergillus nidulans

<400> 22355

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tctctgccga agttacctat cccggatctt gagagcacat gcaagaaata tctcgacgct 180
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 tcaacctcaa ccccttcttc ttgctggagg acgatccaac acctgcgaga aacaaccagc 480
 tgactagagc ggcatcgctg gttgtttcgg ccttatcatt tgtgcgcgct gtcagacggg 540
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<210> 22356
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22356
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 aggttcacaa ccctagtctc ttaaaacaat tttgctgact ttactggtag gtcattcaga 180
 agattgggct ctgtattggt ttctatgac tcttagagtc atcagatggg ctgatcggcc 240
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 cgttgaaatg gaagaatggc atgaccagat tccaatgct cctgatcttg gagatggcgc 720
 tccaattgac cgcaagcctc cgtattctat tattgtatgt acagatcact ggaattctgg 780
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850

<210> 22357
<211> 485
<212> DNA
<213> *Aspergillus nidulans*

<400> 22357

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ggttgtctcc agaaaaccgt gagtctgaag ctcatgaaat tcgggaaaat gatacgcttg 420
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ccaaa 485

<210> 22358
<211> 455
<212> DNA
<213> *Aspergillus nidulans*

<400> 22358

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ctgcgtcatt tatagggtgc aaccagaca tcgctgtcaa cgcaaagctc cttaccggag 180
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caagtagccc ttgatctcct tcggacaatg aacaatatgg acgaggacgg atcctggaac 360
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<210> 22359

<211> 690
 <212> DNA
 <213> Aspergillus nidulans

<400> 22359

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<210> 22360
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22360

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 agtcctcagt tatatcattg gaattcgctc ttgcgcagaa ggaagctttc gactggactc 780
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 ccttttcata 850

<210> 22361
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22361
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<210> 22362

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22362

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<210> 22363
 <211> 572
 <212> DNA
 <213> Aspergillus nidulans

<400> 22363

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<210> 22364
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22364

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<210> 22365
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22365

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<210> 22366

<211> 527

<212> DNA

<213> *Aspergillus nidulans*

<400> 22366

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tacgcccattg tatttcggaa attcgatctg cagattgatc cgtcaagggtt tgtttgcatt 360
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<210> 22367
<211> 818
<212> DNA
<213> Aspergillus nidulans

<400> 22367

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<210> 22368
<211> 550
<212> DNA
<213> Aspergillus nidulans

<400> 22368

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tgatccgcac aataacctca gacatgtgga ttattggtac gaggaggatc ccgtcaagga 180

atggtacgtt gaaataatgg gctactttcg ggctttcaga tctagccctt gactttatgc 240
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gcgtaaactc gccgccgcta tcaaaccctt ttccggtgaa gatggcacga atggtgttgt 480
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<210> 22369
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22369
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<210> 22370

<211> 668
 <212> DNA
 <213> Aspergillus nidulans

<400> 22370

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 aagcaaagtg gacgagacta gttaagacca cttattgcga cccaatggc gtcgagagaa 180
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 gctgtgctg agctcaagga ggagacaggg tatgtaggcg tagcgacgcg acaagtacgg 600
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 ctggcctg 668

<210> 22371
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22371

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 ccccaaataca tcgagtcggg attaggtttc tcgagcaatg agtccatcct cttttccact 780
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 ctactactgg 850

<210> 22372
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22372

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 cgacggcgag attctcctcc tcgactcggc gacactgctc gattgcatca agaattggctt 660
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 gccattactg gtcggacacg tctctcacgc gattagcact gatcaagtcc tccttctagg 780
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<210> 22373

<211> 642
 <212> DNA
 <213> Aspergillus nidulans

<400> 22373

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<210> 22374
 <211> 617
 <212> DNA
 <213> Aspergillus nidulans

<400> 22374

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 aacaatgacc gcatttcagt aagtctacca tttcccgccg tgtttttatg tttgggcgca 540

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gggtgtggag aacaggg 617

<210> 22375
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22375

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<210> 22376
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22376

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 gagttaccag actgtttccac acattgcccc ccgctattca gagtatgtat tttcatccag 300
 cccaagcgac ttagactaac gttacacaga tcgacaagag gcgacaaagg agtcggactt 360
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<210> 22377
 <211> 848
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22377

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<210> 22378
<211> 679
<212> DNA
<213> *Aspergillus nidulans*

<400> 22378

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<210> 22379
<211> 396
<212> DNA
<213> *Aspergillus nidulans*

<400> 22379

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agtgccgttc atttcatttc tccttttttcg gtggctgggc tgcgggcat gatgctaata 180
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 gtaacccttg ccgagggaga ggggtgtctc tcgtcattta ttggcacaca ggcggaggca 360
 gcaagggagg tgaacaacga gaaagaggtc ggtaca 396

<210> 22380
 <211> 361
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22380

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<210> 22381
 <211> 586
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22381

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<210> 22382
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22382

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<210> 22383
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22383

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aaccggatt ctccccactc gactgggcag ccctaaccctc aaacccaaac cacaactac 240
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<210> 22384
<211> 670
<212> DNA
<213> *Aspergillus nidulans*

<400> 22384
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<210> 22385
<211> 546
<212> DNA
<213> *Aspergillus nidulans*

<400> 22385

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<210> 22386

<211> 638

<212> DNA

<213> *Aspergillus nidulans*

<400> 22386

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gcccagaact gaaaggcgcg cgcgatcgac gtgggaacac gccgctgcat gtcgtctgct 180
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actcggcgct gcatatgtgc gtggtcagtg agagtctcga ggcatggag gtgctgctga 540
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cccgtctcgg atcgggcccg ctgtgggcat gctcatga 638

<210> 22387

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22387

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<210> 22388
 <211> 745
 <212> DNA
 <213> Aspergillus nidulans

<400> 22388

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<210> 22389
 <211> 553
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22389
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<210> 22390
 <211> 582
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22390
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<210> 22391
 <211> 441
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22391

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 gagcgcgcgc tgttcaaagt tgactacgtc tcacttgctg actcggatac gctcgacgag 360
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<210> 22392
 <211> 784
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 22392

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aggcggaaac cgcaaagaag gaagccacgc agaaagaaga gaaaaacccc ccaacaggaa 180
 gacaggccaa agccgcagcc caaaccacgg cacgagaaac acaggcaccc gacaagggca 240
 gcgcagcccg cccgacaaaa gaaagcccgg ggagccccc acacggcccc agaaccagac 300
 caccagggca gaaccagaa ggacaaccac gcccgaaga aagacgcagc caagcccgca 360
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 cccagccgg atggcaccca agcaacacga accccgaggg aaccaggacc gaccaacccc 480
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 aaaa 784

<210> 22393
 <211> 544
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22393

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 accacttcgt caactttcct cgggaagatc aggaggagat ttcgattcag gtatgtgcag 480
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<210> 22394
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22394

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cgctcacgaa aactgctgtt atgtttggtg gtatcatcaa cttccgtctt gtaaaaagca 780
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gagcgtacat 850

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<210> 22395
 <211> 783
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22395

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aagcttggca acatcgcaaa ggtcatgcag gcggcgtttg gcctagacca ccccgactat 240
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atcaaaccgt ttgtcgaact cgagcccgca tttgtgctgc ggagttctct gaagggccct 360
 aacgtcacag ttgcggacgt tattagtgcc attgactatg ccattcctgc aattgagatc 420
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<210> 22396
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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 agatttcctc cattttgcgc tcagggtgga ccctgagaaa cgagcatcag ctcatgacct 720
 attgaaggta tgattatgca tctcaacaca gcagactggc tctaatactt tacagcatcc 780
 ctttatgaac ctttgcgcgc ctctcaatca cctttcgcc ttagttaagg ctgcacggat 840

tagcagggcg

850

<210> 22397
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22397

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<210> 22398
<211> 677
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 22398

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gcaaangcgc accaacaaca gaaacgcaag cgccgggaca attttcaaag gcgcagggga 180
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<210> 22399
<211> 622
<212> DNA
<213> *Aspergillus nidulans*

<400> 22399
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<210> 22400
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 22400

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<210> 22401

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 22401

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cggcctgttc gtcgcgaacg taccctctta tagccctgaa gcagtcgccg aattcacgat 180
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<210> 22402
 <211> 834
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22402
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<210> 22403
 <211> 557
 <212> DNA
 <213> Aspergillus nidulans

<400> 22403

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tcgcacacca tctggggcgg cgatttggaa gcgaataccc tttcctgctg ggactggatc  180
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atgccgtcgt gctgactggg gcgaccaggg gtgcagatgg aggccattgt gaaccaggtc  300
aagcgtattg tcagtgggtt tgcagatgac cgcgctgatg ccggcgcaga agccgagaca  360
atatccgcac cgagtcttgg ttatcctgat cgggagctgt aggagggagt ggctgctcgc  420
gacaatagaa ccacacatat ccaacatttg actcaaactt gaagaaatta agatacagca  480
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<210> 22404
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22404

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gatgcaaata ctttggcaaa tgctcggggt gtcagctgca gatgctgtct tatgaggacc  180
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ttggcacaga catcattcga gcagggctca aaagcgagag gaagaaggta gcggaaaatt  480
tgcagcagta caagaagggc gctacgatct tactgcgcga aacaacttcc cgcacacca  540
  
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 atacgtttcg 850

<210> 22405
 <211> 766
 <212> DNA
 <213> Aspergillus nidulans

<400> 22405
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 caagattctc accagaccgt gaagtgattg gcaatattac aattaatagt ccattatggt 420
 attttttgaa aattaaaatc caatatgaaa aacggtataa tggataaagc aatgcctatc 480
 gcatttttta attaagtaat aagaaggacc ggccaaaatt ttaacagttt attggcaaga 540
 tcaagtagaa gcgtcggttt tggagtgggt agtacaaggg cacaaaaatt tccacctcaa 600
 agggtttgga ataaaggaac cgttaccgtt tttttggaaa acggcggttt tgcccaagg 660
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<210> 22406
 <211> 466
 <212> DNA
 <213> Aspergillus nidulans

<400> 22406

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ggagaacaag actggcaaat gagaagctga gggccgaagc ccaaccgtag agaaactgga 180
ggcatccatt actaaacttc agcagcggat cgagaacatg tagctccagg cccaagacaa 240
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gctttcgatt taatcagcag ctaatcctca gcagaattat atcgatccta gactcacggg 360
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<210> 22407
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22407

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ggttaccac catatgcttc caactttatt ctctttacaa aactgaggcg tatgtaggtc 180
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attgccaatc cgagtgaatc aaaccgatcc tatactgata gagctgctac gccttgactt 300
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gcagtcagac aagaggcgct cccaattgtc ttctgagtta caccgtgatc tcctcctacc 420
aattcggaaa accggaatat atcgtttaca gcgtgtcggt gatgagtcca agcttgagg 480
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gttcgatgga cgggagccag atatcacctg ggctaaaagt cagatcattg aaatacctct 780
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<210> 22408
 <211> 352
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 22408

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 ccgacatgac tggtagctga tgcgcgaaac gccgtcaggc cccaaggaga tccgctatgt 180
 gattgactac tactctgggc cccagagcc gaccggagag cctgttttct accttgacat 240
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<210> 22409
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 22409

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 ttcttacacc gtcactccta ccgggggggc gcggttttgc aagaaatgcc aatgtccgaa 180
 gccggaccgg gcgcatcact gctccacgtg caacgagtgt gtgctgaaga tggaccatca 240
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 ggagggtttt aatgacacac ggtataccca cggatatac cgggtgcccg tcgtgttggt 420
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<210> 22410
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 22410

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 ccatgtacta atcggcattt aggggtggcgt ttttgatct ctcatgggca cgcctattat 480
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 gcttttgggt 850

<210> 22411
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 22411

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 cacgtgaatt ctatctggag ggaggtgcca tggttcttgc agacgggtgt gttgtctgca 180
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gccgagggcat ggaggagcag gtcgagggcag agattcccct agagaaaatg aaacgataca 540
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 ctggccaagc taagtctgca gcctatagca actgaagccc acgttgatga agctattcgc 780
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 gatggaggag 850

<210> 22412
 <211> 480
 <212> DNA
 <213> Aspergillus nidulans

<400> 22412
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 tacggagccg gtaattatgc catgtgcgga agagcctata agcctcgctt catctttacc 180
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 caggtagaga gtttccgcca gagtgcggcg cgggatagtg agtgctacgc gaccagttcc 360
 atgctcattg atgatggcat cattgacccg agggacacga gggacgttct agggatgtgc 420
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<210> 22413
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22413
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 caggatgttg gctgccggca cgggcctgat ggcgctgatg tttatctgga tgttcatggt 780
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<210> 22414
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22414

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 acctactac cctctctcc cccactctt taacccccac cccctatcac cctcctccac 240
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 cactctcacc ctctcctatc ccaccccccc ctgttctcct tctctacatc ttctcctctt 360
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<210> 22415
 <211> 585
 <212> DNA
 <213> Aspergillus nidulans

<400> 22415

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ctgttggtaa ccaaggactt gcaacaccta tgcaccttc ccaagtaggt gcgcctatga 180

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caatccggac gcctgcaagg aagcttatgg cgacaccggc accgattgcc agctccactg 360

gcgtaggtgg ctttatgatg caggaaccgg agagtgccg ttcctcggc aagcagcttc 420

ctaccgagat tcctgggggtt ggcgatctcc aatttttcaa gccagaggat atggcatact 480

tcggaaagtt gatggatact ggagatgaat caacgatgtc agtggaggaa ctcaaagaac 540

gaaagatcat gaggtgttg ctcaagggtca aaaacggcac gccac 585

<210> 22416

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22416

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acttctcaat gagactacta tccaaactgt tgcaacatct atggatggta tcacacttgt 180

cctatatgcy cgggttgcca tgggcggaat tgctgtgctc tttatgttga tatttatgag 240

aaacggcaaa ctgcctataa aacaaggtaa gcaagcaaaa ctggcgatga atcgcatatc 300

tgatggaact gtaggattat ttcattgaagc tctaacgctc ttccttctaa ccagtcgag 360

agtaacaaat gtgcctatctt ttctcttctt cagactgcag ctcaaagctt tgacatggat 420

gaacttgaat tctgctgagg ttactctcac atctttgctg atgcaatata tagctttttt 480

tgcatthgtt ggatcgaacg ctatatcttc catcgatcta tctaacgcgt ataacggcgt 540

cagcgtttat aacgtcattt tagttggcat cctgacatat gtgggcaatt gggccggccc 600

gatttggtgg atatctgcca ctaagctttt gagaagaggg gaatctcatg acgaaagccg 660

gactcacact gcacttttaa ctttccatgc ggctctatc ttgacctctg ttatggccgc 720

atgtacggca ttgaggactc atcttttcat ttggactgta ttttcgcccc aatacttgta 780
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 gcagtgatgc 850

<210> 22417
 <211> 340
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 22417

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<210> 22418
 <211> 455
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22418

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<210> 22419

<211> 409
 <212> DNA
 <213> Aspergillus nidulans

<400> 22419

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<210> 22420
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22420

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gccttcaata 850

<210> 22421
<211> 644
<212> DNA
<213> Aspergillus nidulans

<400> 22421

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<210> 22422
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22422

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tcgaccatgt catcgcaacc tactcgaaac ccttcatctc cgtcattggac ggcattacca 420
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 tcttcgccat gcccgaacg accatcggct tcttccccga cgtcggcggc tcttttttcc 540
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 gtgttcaggc gctgtatgct ggcattgcta cacactactt tgactctagc gttttgggca 660
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 tagacctgat caaccgcaca atggccgagt tcgcgacagg tcttcctgag gaaccccaac 780
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 tatgaaggcc 850

<210> 22423
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22423

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 agaccccagt gtattctaag ttcgacattg acggacacag cacgatcttc tcgacattga 240
 ccttaccaga gcgagcgagt cgagccaagg ccgtagcgcc acttttctcg acggcgctga 300
 tccgtaactc gcaagagagg ttgctggaag ttgtagatga tttcgtggac aggttgcgac 360
 agggggccca gtctggccgg ccggtcaatg tgctgggctt ggctagggct atggcgattg 420
 atgctgtgag cgcgtacctc ttccaagagc ggtatggggc gcttgacgag aacgcggagg 480
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 tccccaaaag cggcacgtac caaatcgtc tcttggaaac ggtctcactg cgccagacgc 720
 agattgagat caaagatgtc tgttttgccg ggacggactc gacgggcatg gatgttgcaa 780
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agggtagggc

850

<210> 22424
<211> 705
<212> DNA
<213> Aspergillus nidulans

<400> 22424

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ggcactcctg cacgggggagt ggacgccccca ctcaaggaga atttgtttag ccaggaatct 180
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atgaatatgc ctgatggcat gcctcatccc catggagtag agccttctat gaaagggtccc 360
agctttttga atgaccccg c aatcgccacg atgcagagat cggatgttga tcagctgcga 420
cgacggccta ctaatgggccc gccaatgggc tactttgacg acgttccctt ggcgaggggt 480
cccattacac ctggtggcag ccgtgttctt caggggccatg cgccacccat gggcatccag 540
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caacaaactg cccctccagc tcctttggcc cctccccccg ggtattccaa ccccgaaacag 660
gggcgtcaac ccaattatat ctccaacgtg atgccaatgc ctgga 705

<210> 22425
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22425

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ctctgacgga tgatgaaatc tccatgttta agaagcgggt atgaatatgc aaagtccaat 180
atthttgagaa cttcagttct aacaagatta tccctagatt ctgcgcgata tccagcacca 240
ctcgattcaa atcttcgaag ggcctcgcta cgaacttgac gacgaagaga ctatcgcaga 300
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tacatccgat ggccgcaagg tccgtggccg tagctacccc tggggatatca ttgaggtcga 420
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agagctcaag gagcacacta acaaccatct gtacgagaac taccgctccg acaagcttac 540
tcagatgggt gtcgcccgaag acccaagcgt gttcaaggaa gtcaaccctg ctgtgaagca 600
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ggtcttccaa cagaaggtag cagagaagga aagcaaactg aaacagagcg aagacgaatt 720
atacgctcga catcgtgaga tgaaagaaca actggatcgc caacgcgcag agttagaaga 780
gaagaaagcc cgctcgcaga gtggacggcc actcgaagaa aagggaaaga ggaagggatt 840
ctctcttcgt 850

<210> 22426
<211> 503
<212> DNA
<213> Aspergillus nidulans

<400> 22426

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caagaggtcg gagacgccgc gctacaatct cagcagcgtc agaaatattc tttgtggacg 120
gcaccgctct cgaggagct acagaatacg attcagaacc gttcaagac caacgtggta 180
caaggctggg gcatgaccga gagtcacctg cggcgcgatc catgtccccg ggggactcta 240
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agaggggaga ccggtgcgac cgggagagcc gggggagctg catgttcgag gtcccaatgt 360
gtgtctcgga tactggagga acgacaaagc gaccaaggaa agccttgaca gcgatgggtg 420
gctgaaaaca ggtgatatca tggtcgccaa ggatgattgt ttctggggtg tcgacggaaa 480
gaaggaactg atcaagggtca acg 503

<210> 22427
<211> 544
<212> DNA
<213> Aspergillus nidulans

<400> 22427

ctctgagaat gtgattggag tcgttcatga tcatttcata acgtttcatc tagacatgga 60

tattgatgga cccgatgaata attcttttggg taagggttcat ctagagaagc agagagttcc 120
aacaggaaaa tcgccaagga agagttactt gaagggtcaag aaatatatag ccaagactga 180
gaaagatgct cagatcaagt tgagcctcta tgacccatat gaattccaca ttgtgaaccc 240
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agcgagtttg cttgatcacg atgacccctc tcaaattcga ggtgcattca ctaataatca 360
ggatattta tttaggctat ggtgttatat ataagattct gattagctat aatctcgggt 420
taggacttaa tgtgtccaaa tgttcattta actgatgcaa ttggttttat cgggttagat 480
atgggtgact ccatataacc ggtcagaaca atatgccggg gggatccctc agagtcgacc 540
tgca 544

<210> 22428
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22428

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ctcctttcaa ggatccccga cctttcgcgc ctgtgccaa ggcccgccg aattatacta 120
aactcgggat gttcattgca ttggacacct gggcactttc ggtgcactat ttcaaagtga 180
ttcttatact gatacgatc ttctctagac ctgattaaat atgatacccc ataccttgga 240
ccaaaaatcc agcttatgtt atcccagctt gagttcaagc tgagtgtcga gaaacaatac 300
aaagcaggca ttgagaagat ggtccgattg taccaggacg aaggcgatag aaagagtcgc 360
acagatgccg agggccgacg aattgagagt aaccagaaga ttcagcttct aaagcaggct 420
ctcaagcgat acgaagatct ccatgttgat attgagtcga cggatactcc tgatggtgcg 480
gacccattgc tctctgtgtg acttattctc cccctagctg acgttgattt cagatgaaag 540
tttaagcgcc ccgaatctgc gcaagccgct aaccggctct ctgacaatgc gaattcaagc 600
cggttcaggac gttgatcatg cgactagctc aagattttcc aggggtcccg agacgtttgt 660
tatcgtgaaa gtcgaggata ctataaaggc cagaacaaag gcaaccaggc ccgacagggtg 720
gcaggatgag acattcaatc tcgacataga caaggcaaac gaggtcgagc ttaccgtata 780
cgacaaagct ggtgacaggc cactcctat tgcgtatgct gtggttacga aaatcaaaca 840

tcggctttgt

850

<210> 22429
<211> 306
<212> DNA
<213> Aspergillus nidulans

<400> 22429

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ctggcagtcg tgggaatggg gcatcagcgg atcgtggatt cggcgatctt gacaagggat 120
gcggttgctg gtgcgaagga ggactgcgcc agggtcagga agcttgctaa aacgttcttt 180
gaattggaca tacagacagg aaaggacat gattgtctgg aggatacatt tgccgcgagg 240
gaggtcgtgc tttggtgcct gggtaatcca gagaagctgc gggagtgggc agcgggtgag 300
agggag 306

<210> 22430
<211> 526
<212> DNA
<213> Aspergillus nidulans

<400> 22430

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gtcatcacgt tgaacaaccc tagaaagttc aatgccttga cacagagtct atactatcgt 120
cttgcaagct tgcttcgagc tgccgaggag aatccagacg tctatgttac tgtgctaatac 180
ggcgagggcc cctttttctc cgcgtaagtc ctcttcgctt tggcgcgaac aacgcagagt 240
ttgcaagaga tgctgacgca ggcttcagag gggctgacct caaagggaag ccaccatcta 300
tggaggagat gttgtctcgc ccttactggc ttccgaaatt ggtgaataac aacgtcgacg 360
tggcgagagc gttctacagc cattogaaga ttctggttac ggcgctgaac ggacctgtca 420
tcgggctttc tcgggccttg atatctcact cagactttat ctacgcggta tccaacgcct 480
atttgatgac tcctttcacc tctcttggtc ttgaactcta agcgaa 526

<210> 22431
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22431

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ctttcagcct ggtaggtggc gaggaagtg cacgctcgat tgtccaaaag catattccac 180
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ttgcgttgac tagcagtcac tccagtgcgt atgtcctcca agcaccttcc ttgctaccgc 300
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agtccattga gtggtcacia gcgtcgacac ttgaagaata cctggcgag gatagagaaa 480
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gattcctgca gcggcaacag ggcaagaccg atgcaactgc attttggaaa gtcgcagcta 720
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<210> 22432

<211> 648

<212> DNA

<213> *Aspergillus nidulans*

<400> 22432

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tcatttctta tacgaccaat gocttccccg gcgaatatat tcccaccgtg tccgtcaccg 180
cgctcctcct ttccctctag cgcaatgaac ctttggtgac cggttaccac agattcgaca 240
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ctggacagga agattacgac cgacttcgcc cattgtccta ccttcaaacc gatgtatttc 360
tcatttgctt ctccatcgtc agccctccgt ctttcgacaa cgtcaagtct aaggtatatc 420

cccacccttt gcgaaatgct ttgtagtata taatacttca gacgatatgt tgctgacttc 480
gatgtagtgg ttcccggaaa tcgaacacca cgcgcccaac gttccaatca tcctagttagg 540
caccaagctc gatttgcgag acgaccccgga acagctcgaa agcctccgca tgaggaagca 600
ggagcccgtt acttatgagc aggctctggc aaagagtggc cccgggttc 648

<210> 22433
<211> 361
<212> DNA
<213> Aspergillus nidulans

<400> 22433

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cttcaaagac aagctcgoga tatctcccat ctcaaagcac tttcccgact acagcgactc 180
gaacaccgac tttgatgcgg cagcaaaata cttcgccgat cgcttccgag gtatcaaccg 240
gattccggag cgagaaatct atattcacta caccaacgcc acggatacaa ctttgttgaa 300
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c 361

<210> 22434
<211> 504
<212> DNA
<213> Aspergillus nidulans

<400> 22434

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acaaatcagc ttctgagcgg ctacgcgtacg tcgaaaactt tgctaggtac ggcatggaga 180
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gctttgcgtg ccgctacgtg cccatcggac tgcttgagta tcttcccccc aagataaacg 300
accgacctcc gtactggcga ggtaggaatg atatggagac cttgatgggc agccatgact 360
atagggattg gattaagatc aggttagtca tctcgtaac ttactgactt tacggatgct 420
gatcatttta cgtacagtga gatgttcctt ggcccagctc acaaggactt caagtccgag 480

cccaagcaca agtccaattc ctac

504

<210> 22435
<211> 570
<212> DNA
<213> Aspergillus nidulans

<400> 22435

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gaggactcag ccttggatgg tggaaaagga gccacaatgt gcatcatatc agaaccaacg 180
agcccgaaca tgatccagat atcgagcata tgcctttttt cgccatttcc catcgctttt 240
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tcatgctcaa ataccagcat tacctttact acccaatcct actattcggc cgcttcaacc 360
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catggtcact ggacctgtcc acgtgcagat 570

<210> 22436
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22436

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ccttgaagta tcctctcgag gagcacgcta aggagaacgc tgaggaggag cagcgctgcc 120
tgcaggaagc cgagcgctg atcaaggaat ggcacaaccc cgtcgctgct atcattgtcg 180
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tcaccttctc caagaaggct cagactgccg gttactactt tggcaaccct gccctgcgtc 420
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 tccttgtaa gggcaagggc gttggtatca acatcggtgg tagcggacag aacgcagtcc 720
 gcctgcggcc tatgctgata ttccagaagc accatggtaa gttccctggt atcgctacta 780
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 caagcaactg 850

<210> 22437
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22437
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 ggcatgaata tccgtaaaga acttgtaagt ttattagaag agttaaatat tgaatatggt 180
 gatttaggtt gcgaatgtga agctggatct gttgattacc ctgactttgg gtttcccagc 240
 agctgaaatg gcctcagaat ggtgaagaag atcggggatt ttaagtttga gggacaagca 300
 tttgtatgtc aatcgcacaa aacaaagtaa ttgttttcct tgggcgttgg ttcaaggtag 360
 tttaactcca aaggaaagga gaccttaatg ccctaacagc ttacatgggg aaccgtgaat 420
 tgggaggtct acccgataa ccgaaatttg gtaaaactgt taaaaggga ttagaaaccc 480
 ttttataatt aacttccatc 500

<210> 22438
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 22438

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 gtttttaacc gccccacc cctaaccac accaaccoc accccccgc cccccctga 180

cacaccccc ccccccttc accccccccc caaccacccc ccccccaaac caaactcccc 240
 ccaaaaagcc accccaagc cccaaagacc cccaccta ccccccccc caaatagggn 300
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 cgnmntcccc ccccccccc taccctaaac ccccccgccc ccaccacccc ccccccccc 480
 cccaccccc cacaccccc cgcctctcc caccacccc ccccccccc ccatcaacca 540
 cccccctccc ccacccccca accgaccgc ccccccccc cccccacaa ccacgatccc 600
 cccccccca acacantcca accccccccc ccccacaca acaaccgacc cccccccctt 660
 ccccaaaccc ccccccccc caaccagcga acccccccc cncnccacc ccccaacccc 720
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 caccacccc cccccccacc ccccccccc cccacccca cctccccac gacccacccc 840
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<210> 22439
 <211> 682
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22439

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 ctaatgtgtt tcttttcaat agggccaacc aggaagtcct taactggctc accgaaatga 180
 agaaggctgt cggcaacgac ctcagcgacc agtccatcaa ggactatctc tgggtctacc 240
 tcaacgctgg tcgcgttggt cctggatacg gtcacgccgt tcttcgcaag accgaccctc 300
 gctacacgtc ccagcgcgag tttgctctcc gcaagttgcc tgatgacccc atgttcaagt 360
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 ctactacacc gtcttgctcg gtgtctcgcg tgctcttggg gtccttcctc agctcatcat 600
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caagcttggtt ggcgctaagc ta

682

<210> 22440
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22440

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gatcgactac accgagccgt ctgatgtcct tgatacagct ctctacgaag acgatcaacc 180
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gccgcgcgcc aaccgcgctg tcctggaatc cctgcgcgat gcacaggcaa taatttacag 360
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cattgtctcg tctccagcac gccacaagat tcttatcttg aacggttccc tagatcgaga 480
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aagtttggga tctacaactg gtcccggagc attcccctct ttattcccaa atggacatgg 660
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acccgggaca ccacatgtgg acaaagaccg cctcgccgag atggggattg agacgcttcg 780
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<210> 22441
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22441

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cctggctatt atcccagcct acaagaccac cctactgca gcacttctgc gcgaagcaga 180

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<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22442

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<211> 635
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 22443

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<212> DNA
<213> Aspergillus nidulans
<400> 22444

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gagtccgaga agcaggcgat gatcgaccga ggagagactg attacgagct caagcctttg 180

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<210> 22445
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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gagattcgaa

850

<210> 22446
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22446

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gtctaaggaa gaaaaggacg gagaaggcac gtcccgtgag ggcacggaga ttgaaagctt 780
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aacattactc 850

<210> 22447
<211> 534
<212> DNA
<213> Aspergillus nidulans

<400> 22447

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tttcgagacc acggataatc ctttggggct ggcattgtctg ggacagaagg tattggcatt 180

tctctggtcgg tctccagggc aagttcaact tgttgaactg gaaacgggga atgttagcat 240
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<210> 22448
 <211> 722
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 22448

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<210> 22449
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 22449

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 gatgccgttc gtccagatgg aaaacatatc acattttctt cgcgcttgtc aactgcccc 360
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<210> 22450
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22450

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<210> 22451
<211> 503
<212> DNA
<213> Aspergillus nidulans

<400> 22451

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<210> 22452
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22452

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<211> 299
<212> DNA
<213> Aspergillus nidulans

<400> 22453

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<210> 22454
<211> 468
<212> DNA
<213> Aspergillus nidulans

<400> 22454

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<210> 22455
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<212> DNA
 <213> Aspergillus nidulans

<400> 22455

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<210> 22456
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22456

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 <211> 801
 <212> DNA
 <213> Aspergillus nidulans

<400> 22457

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<210> 22458
 <211> 658
 <212> DNA
 <213> Aspergillus nidulans

<400> 22458

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<210> 22459

<211> 705

<212> DNA

<213> *Aspergillus nidulans*

<400> 22459

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705

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<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22460

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acaacaactg 850

<210> 22461
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22461

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gactttgaag cgcaagtagc tcagggcgat gccagttcg catttgcttt cgtacagggg 180

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<210> 22462
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22462

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ggcagcaggg gcattgattg ggcgccgtat cacaccaact ggacttccgc aaaccgtagc 720
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 tacttcccac 850

<210> 22463
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22463

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 cagatctcgc acaacacttc ttgatgaagg cgaacgtcac agcaattcgc cgagttagga 780
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<210> 22464
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22464

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<210> 22465
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22465

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gatatccaaa gcagtgcact aaaggctctc gatgatgtcc aattcgtacc ggcgggcgggc 720
cggcaacggc tggagaactt tgtgaagaac agaagtgaat ggtgtatctc ccgtcaacgc 780
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<210> 22466
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22466
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<210> 22467
 <211> 306
 <212> DNA
 <213> Aspergillus nidulans

<400> 22467

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<210> 22468
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22468

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<210> 22469
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<212> DNA
<213> Aspergillus nidulans

<400> 22469

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acaactttta taagactaga tatataatag gccttactac tactataaaa gtagtaataa 360
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<210> 22470
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<212> DNA
<213> Aspergillus nidulans

<400> 22470

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<210> 22471
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 22471

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<210> 22472
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22472

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<210> 22473
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<212> DNA
<213> Aspergillus nidulans

<400> 22473

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ctaattcttc gcgaatctcg cttggatttc ttgaagaatg aggcaggaaa ggtggttctc 360

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gagtgggaga aacttcttac tgcattccgca atcaccaagg aagactacaa gaagaacccg 720

caagcagtca tcgaggtttt ggagttctac tccgacatta agatgcgtga acaaaacccg 780

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gtggcgggtcc 850

<210> 22474

<211> 549

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 22474

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<210> 22475
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22475

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 <211> 580
 <212> DNA
 <213> Aspergillus nidulans

<400> 22476

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<210> 22477
 <211> 807
 <212> DNA
 <213> Aspergillus nidulans

<400> 22477

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ttttccagac acacaaatgc cggacccaaa ttggcatcc gcctcttccc ccgcggggct  540
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<210> 22478
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22478

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tagtttcgcc tggggtattc tgtacctctt ctttagcagc gttgtgcaaa cgttcggcga  300
  
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gaactacggc tgggatactt tggcaacggg tctcgtgcaa ctcgccatct ctgtcgggtgc 360
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<210> 22479
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22479

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 ctggtgtcgc cggtatgagt atcacacagg gtgttccccg tatcaaggaa atcatcaacg 780

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tcgcggctcg 850

<210> 22480
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22480

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<210> 22481
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22481

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 tccaaggag caccactcc gatacgccga gcacccttgg ggcggtggta acgctactgt 780
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<210> 22482
 <211> 586
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22482
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<210> 22483
 <211> 610
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22483

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 gtttcccga cacgttacgc cctcttcgtg tggtttttcc aattgctgac cattacagct 180
 cattttacac tacagaggaa cagatccacg agctcttctc caagtccggt tccccagccg 240
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<210> 22484
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22484

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 aaacggtgtg gtgacgccgt caagtgatta cgagcatggt cccccagagc caaatgaaga 180
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<210> 22485
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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 ttgactctaa ggtcatgtca aaggaggccc tctacggtag cctcgatagc accacgcggg 180
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<210> 22486
 <211> 705
 <212> DNA
 <213> Aspergillus nidulans

<400> 22486

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ggcctccaag agcttcaaga caaggaaacg gcctatttcc ataaagaaat cggttacaaa 420
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tctgccaaat tcggtcgcac agactacgcc ggcatcgtca ctgaagtaga cagcaaggac 660
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<210> 22487
 <211> 392
 <212> DNA
 <213> Aspergillus nidulans

<400> 22487

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gcggtgcgaa caacagaatg cccaagaccg tgacgttagg gatgaatgat gcgatgcgca 360
aaggtggtaa tggtttaggc ggaggttggt gc 392
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<210> 22488
 <211> 675
 <212> DNA
 <213> Aspergillus nidulans

<400> 22488

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cgtctaataa ctgccttccg tgccgcaaaa tccagatcag agacgaaact cgaaatagtc  180
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<210> 22489
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22489

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ccaaggctttt gggctgctga gtctgggccc cagagataag gttcctctgt gtgtgcccgg 540
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<210> 22490
 <211> 415
 <212> DNA
 <213> Aspergillus nidulans

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 tttctgcgca agcggcgacc ctgtttgcct gaacggcgct aatgtcatgg ctcaccttct 360
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<210> 22491
 <211> 422
 <212> DNA
 <213> Aspergillus nidulans

<400> 22491
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 tgggatgttg ggacagagcg aatgtaatgt ggacaagagc atcaaaactc tgaagggaat 240
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tctgtggaat gcaagctaaa aggttctttt cgtgcaggat gggtagcaat tactctagac 360
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<210> 22492
 <211> 509
 <212> DNA
 <213> Aspergillus nidulans

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<210> 22493
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22493
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 gatccagatc gtcgaggctc ctgcgcagat ttgcatgacc aaggataacg tgaccctgaa 300
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<210> 22494
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22494

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<210> 22495
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22495

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cagctgcaca acccaaacc aggcacatcc accgatgcaa acgaggtcca gtcgggcccc   240
gagctgaaat acaaccccg tctcattgac ccgaccaatg aagcgtggga ggcatcccg   300
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<210> 22496
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22496

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tategcactt accggtaggg cgccgctggc tggagtccag attacagagg aacgcgctcc   180
gagactctgc atcgatgtga ctgtgcaaaa gcacgaggca ctggaggatg tattttaccc   240
  
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<210> 22497
<211> 729
<212> DNA
<213> Aspergillus nidulans
<400> 22497

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gtgtacgaaa gtgcgtggag gattcgaagg ctgacattcc cgagggattc gaaatgccga 600
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729

<210> 22498
<211> 334
<212> DNA
<213> *Aspergillus nidulans*

<400> 22498

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<210> 22499
<211> 796
<212> DNA
<213> *Aspergillus nidulans*

<400> 22499

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cggagaaggc caaggtagag gaatcgacca ctgtcgacga agttgctgaa accgaagtcg 720
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<210> 22500
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22500

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<210> 22501
<211> 520
<212> DNA
<213> Aspergillus nidulans

<400> 22501

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aaaaactgga tgaggatctg actcatgtcg agaagattgt ggcccagatt gcgcggcggg 180
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 tggaagccta catattgtcc ggtcaagtca cttttaaaga cccgcgagca aaagcagctc 420
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<210> 22502
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 22503
 <211> 523
 <212> DNA
 <213> Aspergillus nidulans

<400> 22503

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<210> 22504
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22504

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 ctatgaatta caacaggaac aacagaaaga agaccatccc aaccagaac ccacagaaca 660

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tcaattggag cacggggaag ctctgcaaca gtaagaggca cataacttagg ctccgcatca 780
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<210> 22505
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22505

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<210> 22506
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22506

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<210> 22507
 <211> 677
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22507

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<210> 22508
<211> 605
<212> DNA
<213> *Aspergillus nidulans*

<400> 22508

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<210> 22509
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22509

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<210> 22510
 <211> 763
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22510

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763

<210> 22511
<211> 600
<212> DNA
<213> Aspergillus nidulans

<400> 22511

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<210> 22512
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22512

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<210> 22513
 <211> 554
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 <213> *Aspergillus nidulans*

<400> 22513
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<210> 22514
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22514
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<210> 22515
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22515

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<210> 22516
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22516

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<210> 22517
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22517

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<210> 22518
<211> 623
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 22518

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<210> 22519
 <211> 789
 <212> DNA
 <213> Aspergillus nidulans

<400> 22519
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 tctcatgttc tcaactgtag tacgccaccc aatggagaaa atgcagtctg ctccgggtcgt 180
 cctcatccag tacctcgccg cggtggcagt agttcagggc gtacgtagtt acgatgaggg 240
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 gattatgggt tgctccttgc tgaagaactt agttgggatg accggcctac ggaagagtg 720
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<210> 22520
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

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gaagatcctt gccagtctgt ttttcggcac gcttggtccc ttgatttatt acttcatcca 180
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<210> 22521
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<212> DNA
<213> Aspergillus nidulans

<400> 22521

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gcgacaacat tatctccttc tacactcgta ggtacggcag caaccactc attgtgcagg 240
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<210> 22522
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22522

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<210> 22523
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 <212> DNA
 <213> *Aspergillus nidulans*
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<210> 22524
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 22525

<211> 670
 <212> DNA
 <213> Aspergillus nidulans

<400> 22525

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 aataaaattt 670

<210> 22526
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22526

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<210> 22527
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 22528

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 <213> Aspergillus nidulans

<400> 22528

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 <212> DNA
 <213> Aspergillus nidulans

<400> 22529

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<210> 22530
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<212> DNA
<213> Aspergillus nidulans

<400> 22530

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<210> 22531
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<212> DNA
<213> Aspergillus nidulans

<400> 22531

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<210> 22532
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 <400> 22532

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<210> 22533
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<210> 22534
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22534

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ggtatacaaaa aaacgctggt gcccgctctat cggcctacct tcccagcgac ttcaacctga 180
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<210> 22535

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22535

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<210> 22536
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 22536

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<210> 22537
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<212> DNA
<213> Aspergillus nidulans
<400> 22537

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<212> DNA
<213> Aspergillus nidulans

<400> 22538

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<210> 22539
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22539

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<210> 22540
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22540

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<210> 22541
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22541

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 accaggatat caagacgacg ctgcagcagg cggagtacgt tcttgccgag ggtttgagaa 540
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<210> 22542
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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 tcatcatgga ggaccaagac gttgttggtg tggcgcggac aggatcaggc aagacggctg 180
 cgtttgtgat tccgatgatt gaaaagttga agtcgcatag tacgaagttc ggcgctcggg 240
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<210> 22543

<211> 352
 <212> DNA
 <213> Aspergillus nidulans

<400> 22543

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<210> 22544
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22544

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<210> 22545
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22545

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tgtcacgggt cacatcaata gctgggtctct atacagctgc tactttcctt gccgtgacaa 180

gtgcgtcagt tgtgacagga ttgaatgcgc tcgggtcact ggaagctagg gaggaggaga 240

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<210> 22546

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 22546

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tattatcata catttgact agtgtatacc tatgtttagt ttttgtaac aatcctttca 180

tgagaactta catattttca caaaatatat ataggtggc tacaatcgca agatatttac 240

caggacgaac cgataatgaa ataaaaaact actggagaac acattacaag aaaaacaaaa 300

aatctttctc gaagcaagac aaagtaagaa aatctctatc ccggaaacaa caacaagtgg 360

atcttaaacc acaaccacaa gcacaatctg agaatcatca gtctcagcta gtgtcccaag 420

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<210> 22547

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 22547

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 <213> *Aspergillus nidulans*

<400> 22548
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<210> 22549
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 <213> *Aspergillus nidulans*

<400> 22549

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gctagcattg acgggaactg cactaacttc gaccatgtcc agtggacgta taatgcgggc  180
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cgcattgccag ggtcagaacc gccgggtgct actcctgctt tgttggtgag ggggacttga  780
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 <213> *Aspergillus nidulans*

<400> 22550

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aggagctcat cgaggtcctt cgcgaccccg agttgcctta cagcgaatgg aacgcccagt  180
cttccgcctt ccactccgc atgccccaga aattggatgc tcagcttcaa aacattgttg  240
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 ctttggttca ggttattaat aactacatcg aaggcttgaa ggcgcacgaa tacaagggtg 420
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<210> 22551
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22551

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<210> 22552
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22552

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<210> 22553
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22553

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 cgccttcgtg ccattgctg ggtatgctcc atactccct gctaaggctg ccatgcgtgc 480
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<210> 22554
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22554

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<210> 22555
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<212> DNA
<213> *Aspergillus nidulans*

<400> 22555

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<210> 22556
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22556

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<211> 406
<212> DNA
<213> Aspergillus nidulans

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<210> 22558
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22558

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<210> 22559
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22559

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 <212> DNA
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 <223> unsure at all n locations
 <400> 22560

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<210> 22561
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 22561

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<212> DNA
<213> Aspergillus nidulans

<400> 22562

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<210> 22563
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22563

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<212> DNA
 <213> Aspergillus nidulans

<400> 22564

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 <213> Aspergillus nidulans

<400> 22565

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<210> 22566
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22566

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<210> 22567
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22567

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<210> 22568
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22568

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<210> 22569
 <211> 524
 <212> DNA
 <213> Aspergillus nidulans

<400> 22569

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<210> 22570
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22570

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<210> 22571
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22571

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 <212> DNA
 <213> *Aspergillus nidulans*

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 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 22574
 <211> 537
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 22575
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22575

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<210> 22576
<211> 500
<212> DNA
<213> *Aspergillus nidulans*
<400> 22576

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<210> 22577
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22577

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<210> 22578
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22578

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<210> 22579
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22579

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<210> 22580
 <211> 532

<212> DNA
 <213> Aspergillus nidulans
 <400> 22580

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<210> 22583
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<212> DNA
<213> Aspergillus nidulans

<400> 22583

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<210> 22584
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<400> 22586

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 <212> DNA
 <213> Aspergillus nidulans

<400> 22587

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<213> Aspergillus nidulans

<400> 22588

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<210> 22589
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22589

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<210> 22591
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<400> 22591

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<210> 22592
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<400> 22592

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<213> Aspergillus nidulans

<400> 22593

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 <212> DNA
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<400> 22594

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<400> 22595

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• tggctccctgt tgcagcgggc gtcttctatc cgattgtctc tgggcataga atggccactg 780
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<210> 22597
<211> 513
<212> DNA
<213> *Aspergillus nidulans*

<400> 22597

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<210> 22598

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 22598

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<210> 22599

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22599

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<210> 22602
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22602

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<210> 22603
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22603

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<212> DNA
<213> Aspergillus nidulans

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<210> 22605
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<212> DNA
<213> Aspergillus nidulans

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<210> 22606
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22606

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<210> 22607
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22607

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<210> 22608
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22608

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 22610

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<210> 22611
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22611

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 <213> *Aspergillus nidulans*

<400> 22612

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<210> 22613
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<212> DNA
 <213> Aspergillus nidulans

<400> 22613

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 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 22614

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<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22615

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 <213> Aspergillus nidulans

<400> 22616

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 <213> Aspergillus nidulans

<400> 22617

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22618

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22619

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<210> 22620
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22620

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<210> 22621
 <211> 780
 <212> DNA
 <213> Aspergillus nidulans

<400> 22621

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<210> 22622
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22622

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<210> 22623
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22623

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850

<210> 22624
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22624

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<210> 22625
<211> 682
<212> DNA
<213> *Aspergillus nidulans*

<400> 22625

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<211> 458
<212> DNA
<213> Aspergillus nidulans

<400> 22626

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<210> 22627
<211> 532
<212> DNA
<213> Aspergillus nidulans

<400> 22627

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532

<210> 22628
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<212> DNA
<213> Aspergillus nidulans

<400> 22628

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<210> 22629
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22629

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<210> 22630
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22630

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<210> 22631
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<212> DNA
<213> Aspergillus nidulans
<400> 22631

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<210> 22632
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22632

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<210> 22633
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22633

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<213> *Aspergillus nidulans*

<400> 22636

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 <212> DNA
 <213> Aspergillus nidulans

<400> 22637

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<210> 22638
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 <213> Aspergillus nidulans

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<400> 22642

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<212> DNA
<213> Aspergillus nidulans

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<211> 601
<212> DNA
<213> Aspergillus nidulans
<400> 22650

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g 601

<210> 22651
 <211> 757
 <212> DNA
 <213> Aspergillus nidulans

<400> 22651

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atccgcctga gaagctcgcg gaccagatgc gctcccaatg tgctgatgtg acccacgcat 180
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gggtggatga tgtatctgat gcacgtctca ttgccgactt gaccatttac gcctcaaccc 660
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<210> 22652
 <211> 701
 <212> DNA
 <213> Aspergillus nidulans

<400> 22652

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gccgcgggct tcggtggcac ctggtattgg aatcgatacc ccggactgat gtgcgatact 180
gagagctata tctacatgcc ctttttgagg gaaactgggt acatgccccg gaacaagtat 240
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tggacagtag ctggttctat gctgggcatt gcaaataacg ggcaaaggga taatatgatg 420
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gactacaact acacgggagg ctccgtggaa aaccogaaga tgctgggggt agccgacaag 600
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<210> 22653
<211> 526
<212> DNA
<213> Aspergillus nidulans

<400> 22653
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cttgcgatc attcccgcgt tctgggtcct gtacttcctt tgctcggcca tccgatcgaa 300
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tgacctgctc tcgaacctga taatgaccaa gttgagtcgc catgtttgga tgagccggat 480
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<210> 22654
<211> 628
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 22654

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gagaacaacg aggaagaaaa gcgcaaaacc ggcatttatc cacacaaggc caaacgcgaa 180
aagcacggag gagagaggga cgacaccaca gcagacagag ccanaacaaa aaggcaacaa 240

aaaccggggg caacaggcag ggcagaaaac ggaccaagaa gggcacacca cggccagaaa 300
 gcaaaagagc aaaagaaaac gggaccacga ggcaaggaga aaaccaaggc gaacaacgag 360
 ccaaggccga cacacaaggc gaacgcacga aaacaaccag aggggaagcca ccaaaaacac 420
 ggaacaacaa cccaggacaa ggggacaaaa ggaacaaaaa cggaaagaaa ggcccggaaa 480
 ggcgagagcg acacacacaa aaaaagcccc agagaagaaa acggaaggaa aaaaaggaca 540
 acaccgagca acaaccacaa accaaaaaga aaagctcgaa aaaaccaaac ccaaaaggca 600
 aggccggcaa gggccaaaaa acaaggaa 628

<210> 22655
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22655
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 tcgcgagtga actcgagccg gtcggcgaga tcgttgaggg agggtagaac aaagggtactt 180
 gacctgctta cggttctacc accgctgaga ctgaccaatt gatagatcta gtacttgaga 240
 aatggaaggc gaagcgggaag cactacataa tactttccgc tgctggaaaag ccgatctgga 300
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 cagtcgttgc gaaaggccct ttatacttgg ttgccattag tcgaattctt gaaagtgata 480
 cccagctcaa gcttcagctc gaggcgttgt atatgcaaat cctatccacc ttgacgcttc 540
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 ggtccgagac cctactttca acattagcag acagcttcac taagggtctg ccatctacat 660
 tgctttctgc cctggagtgc ctgaaaatcc gcaaactgca ccgtcaaacc atcaacaaca 720
 ctctcttaaa aacgaaggtc agcaaactgc tatacgggtc cgttgctgca ggcggctcgtc 780
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 tcaatatgat 850

<210> 22656

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22656

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gctgcatggg ttggtaatg tttacatcag taatggagta gattggaaac attaattaga 180
gatagatgcy aatcatatga caaccccgaa ccctaacaaa ccagctacac tgcccgtcct 240
ctatgccgac gaatatggta tgtattctct agtcacccca aataacaagc agctaacaaa 300
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tgacaaaaca agaaactaac gattactctt cctcaaagcg gctgggtccgc ctgggctaaac 480
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gcggctactc tctgaagctt cagacaacaa cgacgatgac tcaccaggat tcacgcactg 720
gcgcgttgcc ggcaccgcag ggggggaatc agacctcgac cccgtccgcg gcgtctacaa 780
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gtggggccaca 850
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<210> 22657
 <211> 838
 <212> DNA
 <213> Aspergillus nidulans

<400> 22657

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gagcgggaaga agcaaggcag aacaaccgaa aacagaaaga ggagcggaca ggaaagcgaa 180
acggcaggcg aaagagaaag caaacagca acaagaaga aaccacacca cagagaagaa 240
ccaaaaaac aacgaaaaga aaaaaaccac aacacggatg gggacagaga agcagggaaa 300
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aggacagaga gagcaaacga caacaaaaaa acgaagggaa caccaaccac aagaaagaaa 360
caaaaaaccg gaagaagtaa gaacaaaaag acaaaaggaa aaaagaggaa aaacacggaa 420
agaagagaac gaagaaacag caaaagaaca ccagaaaaat agagaaaaaa gaaccaaaaa 480
aaaagaaagg aaagaacgaa aggaaaaaaa agaccacgca aaaagaaaga caggaaggaa 540
aacaaggaa aacaacaaca acagaaatga aaaaaaaaag accgaaaaga aaaaaagga 600
agaaacggac aaaaaaaaaa gaaagaaaca aaaaacacaa aagggacaag gaaaagtaga 660
aaaaacagaa agaaaaaaaa aagagaagaa aaccaccaa acacaaaaaa acggagggca 720
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ggagcaacag gaaaagaaaa aaaaaaccg acaccaacaa aaacaggaag agaaaaaa 838

<210> 22658
<211> 607
<212> DNA
<213> *Aspergillus nidulans*

<400> 22658

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ataggacgaa ataatgaaga ctgaactcta atggacggca tgaatcaggc ctctggacct 180
gtgataacgc tcttcattag cgccctctac ggcgtcacag aactgaccgc ggccaagctc 240
gtcaatgtgg ccgtcattac agccagcgtc gggctgactg tcgtcagcga gatccagttc 300
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aatgcagaaa cgggcgaaga gcccggtcca ctcggcaccg atacactgca tgaaacgagc 480
tccaaagacg aggaagaggc atcgacaagc gaaaacacag cccggggaca gagccagagc 540
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gtgatga 607

<210> 22659
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22659

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agcctattgg cgacgacatt accatcccgt ccgcaatctc ctcagcaacc cctggcgtct 180

cgcagccctt gagcaccocg gagggcgtcc atattgatgt gaaccccaca aaagctacca 240

agccagtcga gcgtccccca agctcctgcc ctgccggaac gcctctagca ggctcaact 300

acttcaagaa caaaccagag gttgtggctc tggaggactc cgagtacccc gattggttgt 360

ggtcattgct ggatagcacc aacaaggaag ccaagaaggg cggcgtggat ccaagcagta 420

tgtatctcga ttttcaaagg acgtggcctc gaaatgctga cttacactcc tttagctctt 480

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<210> 22660

<211> 407

<212> DNA

<213> *Aspergillus nidulans*

<400> 22660

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ggaactgttc atccttacat ccatggccga gattcgtcaa gggggcctca atgaaacagg 120

ctataagaga gcatctctc cttgcgtctc ttgatggagt ttccgacaag cttttttcta 180

tcattacccc gccgaacccc tcagaacgcg gtgctcagct aagtttgagg ctggctccag 240

gtctcctgga tagcgtttta gaaacgttgg aagaatatgc agttgtgatc gacgagagga 300

agccagatgt cattaggggt gcacccgcgc ccttgtacaa cacgtacgag gaggtgtggc 360

agtttttgcca gattttttca gaagcctgcc gcaaagctct tgaaaag 407

<210> 22661

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22661

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gttcctcggc ggcagtagtg ggtgcaatgg caccctctgc atccgcggca gcaaacagga 180
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gccgacttca tcaccaagga gtacgaccgc accaatatca ctatccagac cgacgcgacg 600
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gcccaatttg gtatcgactg tctcgttgat ctcccaggcg tcggcaagaa tctgatggac 840
cacctcgta 850

<210> 22662
<211> 649
<212> DNA
<213> Aspergillus nidulans
<400> 22662

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cgacagaggg gcgaaggacc cacagcagca cgcaaccacg cccgacacgg ggagccaaag 120
agggacgccc cgaaccacac ccagggacag cgcaacgcac cggacgccag cgagccgcga 180
gaagggcacc ccagaaccaa ccagggaacc caagaccagg cacacggacc agggcaagag 240
ccgacgaccc gacaaccaac gaccaccca aacaaccggg ggaaacacac cgcaagcaca 300
acccccaca acacaaaaa caacaacaaa acaccacaca aaccaagacc caacacaaa 360
accaacagca caacaacac caccacaaac cccccgccac aaccaacccc aaaaacaaac 420
ccggcaacac acacgacctc accgcaccac accaccgcc aggcaccaag ccaacagcac 480
caaacacaag caacaacaca cgccacaaa aaccaacaaa cacaccaaca acaaccaaac 540
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649

<210> 22663
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22663

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<210> 22664
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22664

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<210> 22665
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22665
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 ttcaacgggt aagagatctt tcttgatgcc atcgctcatt gcaaacagct cagtgtactt 780
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<210> 22666
 <211> 362
 <212> DNA
 <213> Aspergillus nidulans

<400> 22666

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 acgatgattg taaatttgag tggttccatt ggaagtgcgt cgggttgacg agagagccgg 300
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 ag 362

<210> 22667
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22667

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 tcactcttgg gggaaatatt gagcctggtg ccgacgatat aagagaagtt ctggcgtctg 180
 ttggaattaa ggccgacgaa gtccgcgttg ctgagttatt gaatgagttg cgggggaaag 240
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 ggagagacta acataaacca gtcattgcc gaagagcatc caaactcgct acgcttgggg 360
 ccgttgaagc tggaggtgat cctgggcctg gaactccaga taatgagggg ggaaagagag 420
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tcggactgga actattttagt

500

<210> 22668
<211> 832
<212> DNA
<213> Aspergillus nidulans

<400> 22668

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gcttctccct gggttcttcac ccatttcggc cctgaagtcc cgtacagcaa gaactgggtc 180
ttccctggag atttggtgtg gtatgaccgc tggcagcaac tgttgaccat gggccccacga 240
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tttcaaggtc ccgatgggcg tgggctcgca ggcgttttcg ctcagtcgta acggacaggt 780
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<210> 22669
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22669

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cgcgagtgcc ctacataacc cccatattgg atatacacga tcactgaact ctatcacggg 180
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gacaaaaagg agcgcctccg tctctgtaaa ctcaaggctg cccgacatta ctctcggcat 420
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ttcctggcgc 850

<210> 22670
<211> 602
<212> DNA
<213> *Aspergillus nidulans*

<400> 22670

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aagaaactcc cggcgattct gtgtatgcag cttaaggtaa acaccatata cgtgacggca 180
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tcaacgacga tcaagttacc cctgtcactg aggcggaagt cctcgggtgt gacgcttata 540
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<210> 22671

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22671

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 gaccaggat gagaacggca acgacaaggt tgttcccgtt ttgtacgctt gcggtgaagc 180
 cgctgtgtc tctgtccacg gtgccaaccg tctcggtgcc aactccctcc tggatctggt 240
 cgtcttcggt cgtgctgttt ctcaccgtgt caaggagatc gcctcccccg gcaagcccca 300
 cgccgagctg gcctccgacg ctggtgccga atccatcaag gaccttgaca ctgtccgcac 360
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 tcttgttgag actcttgagc ttcgtaacct ttgacttgc gcgtaagtac cacaattcac 600
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 ccgcaaggag tcccgtggtg cccacgcccg tgaggactac cccgaccgtg acgacgagaa 720
 ctggatgaaa cacactctca catggcagaa gaagcctcac ggcaaggtcg agatcggcta 780
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 gcgtgtctac 850

<210> 22672
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22672

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 tgcaacaaaa tatacaaccg ggttccgcac ctctcactgt gcgaccgagc ctcttcaatc 180
 caacttcgtt ggcaacagct tcaagtccat gcgcgtctcc gtcgacaact ccctccgcaa 240
 gcttcagaca gactacatcg acatcctcta cctgcactgg tgggacttta caacgagcgt 300

ggaagaagtc atgcacgggc tcaatagcct ggtaactgcc ggaaaagtgc tctaccttgg 360
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 cctcaagcct ttctcgggtct accaggggaa gtggaacgcc ggctaccgcg atatggagag 480
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 gcgcggagcgc agatgagcga gagcgatata aggaactcag acgcgcccga aaagattgcg 660
 gagaggaaga agaccacttt gcatgctatc gtgagccacc cttgccagta ccccatattg 720
 tattcgatca ctgaccagtg cccatgccag gcccttgcac atgtcatgca caaaacgccc 780
 aactttttcc catggtggcc agcacaagac cagcattgaa ggccacattg agcgtgagaa 840
 ttcttttttg 850

<210> 22673
 <211> 653
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22673

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 ctgccatgga ggtgggtaag ttttgggaaa ccaagcacca cgccctcact ttactattg 180
 aagatggtct caacgcccta tcggatgtta tctaccatct ggagacatac gatgtgacca 240
 ctatccgtgc gtccaccccc atgtacctgc ttagccggaa gatcaaggga cttggagtca 300
 agatggttct gagtgtgag ggtagcgacg agatcttcgg cgggtacctc tacttccatg 360
 ctgcacccaa caaggaggag ttccacaagg aaaccgttag acgtgtaaag aacctgcact 420
 tggcagactg cctcagagcc aacaagtcaa catcagcctg gggcttggag gcgcgagttc 480
 ctttcctcga caaggccttc attgagacgt cgatgtcggg tgatccccag gagaagatga 540
 tcacaaagga ccgcattgag aaatacatcc tgcgcaaggc gtacgacact tccgatgagc 600
 ccgacgtcga gccgtacctg cccgacaaga tccctatagt agtcgtatat gcg 653

<210> 22674
 <211> 328
 <212> DNA

<213> Aspergillus nidulans

<400> 22674

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ggcgggtcaaa attgtaacag gtgtacctga cgctattccg gtaataggat cacctcttgt 180
agaattatta cgcggaagtg ctagtggttg acaatccact ttgactcgtt tttatagttt 240
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acgtaagcaa ggtatttctg gtcctga 328
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<210> 22675

<211> 612

<212> DNA

<213> Aspergillus nidulans

<400> 22675

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ggaagaagcg gccaacacac aagacccgag agccacacga ccagaagacg cacgcaagga 180
gcatcgcgga ccgaaaaggg gcgcgcaggc gaagcccgcc gcgcctctat accagggcgg 240
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tacctgacaa ccgggcggtg catgagcagg ccaaacgcag accagagggc ggcaaaccga 360
gaaacgcacc agtcacgtgc cccaggcccc aaagcaccac accactccac cccgggagct 420
ggctcccctc ccagcccagg ggccaaccgc ctaccgtgcc ccggcccagc acaaccagac 480
ccaaccggtg cccatcccc aagacggccc aaatcggacc agggcccca gggggcacc 540
aggcacaac cagcaccg cgcacagac cccccgcgc aaaatggccg cccccagca 600
acccccaccc tg 612
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<210> 22676

<211> 686

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 22676

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 aactacacca acaaccaacg cccccattat cagcacagcg cccaaccaa acaacgggga 180
 cagcacagac acggggggcg cacacaaccc gcaccacaaa ccaaccacac ccggagacga 240
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 agcacaagga agggcaggcc ccaaaaaacc ggccaagaac aaccccagcc ggcaccgccc 600
 gccacagacg gaggcaaacc gacaacaggc cgcccggaaa ggaggccaaa gcacaaagcc 660
 ccaggcaacc aaggccacga agagac 686

<210> 22677
 <211> 626
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22677
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 attccctgga ctgaggagaa gggcgagatc acctcttgcg gcatccccat taactactac 180
 gcttccatgg agtgggccga catgaaggtc atcctcttcg ccctccccgg tgccttcacc 240
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 aaggggtgct atgttggtgc cgtacttgcc tacaacgatg ctttcgtcat gagtgcctgg 360
 ggtaaggcca acggtgttaa gaacgacgac attggacgtt cacctctcaa gtgttagtgc 420
 catagcacat ccactaatga tgcgcttata tttcacttca cgaccccgag gccaaagggt 480
 ccaagagcat ccgctgggcc gacgaggagg gccgtaccaa gcgttatgcc atcagactcg 540
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<210> 22678
 <211> 780
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22678

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gagcagtcctc gcacgcaagg ggtgacgctg cgaactgagg gcagccgacg gatgactcct  180
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gtagctctag cgactgttca aggagggccg gtgactctca cctatgggct cattgctatg  300
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gcattacttt ctgatatacc aggctatcaa tggactgggtg atgctataca atattggtct  660
cctccaaagg tcactctgga tccacgatgc tgccgtgaag tgtcaactca acaatagtat  720
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<210> 22679
 <211> 622
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22679

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ctgtgttcca tgctaatttt tttcttttct catctattca gacacgaatc ggcgacacaa  180
ttcgcgcat accacgactg cgactccagt acatgctcac tttccggtag cagtcgacag  240
tgctgtcccc tctcagaatc atcctgcaat gcaggcgccg actatctcat gaacccgatc  300
tcggcgccgt cgcagttctg gttttcgcca tgtacaatcg ggaatgtatg ttcactgac  360

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gggtcgagga ggggtgagcat gcggtgttta acgacgaaca ccaacacgcc aaccatctca 420
 gcaggcgagt gcgggaacgg aatcgtggaa gctggcgagg aatgtgattg cggagatgag 480
 tgtgatggga atgaatgctg tgatggctca acttgtcaat ttagagggga tgccgtttgc 540
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 gtctgccgtg gtgctggtgg cg 622

<210> 22680
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22680

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 atttgtcacg aaggtcttca gatccaaaga ctacaaccct ttactttggg ttttcaagca 180
 gcttttcatg tctgtcgaag cgaccaagcc tccgtgcggg tttaatgtgt tcgccgaaat 240
 cttcgttgac tgccgtgggt acaaggcacc gaagcgcatt gaccccaagt tccttgattc 300
 caaacatggt tttgccgaac tggcagatcc tactcccaac aatgaggcca aggttttcaa 360
 ccctgagaag aagaagcggg agagagaggg ttatgaagag ggcgattgga cacaatttaa 420
 ggagatccct gtaacggagt tcatcaacac cacagatccg attgcgattc tcggttcgtg 480
 caacaagctt agtttccagc aacaaccggg aggagacctt gctttagcca ctttgatcg 540
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 gaaagaattt aggaaccttc tcaggtggcg tctcaagggt cgcgagaagt ttggactggt 660
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 ggatgatgag cttgcaatcc aagaagaact tctccgtctt aaggaaaagg agagtgctag 780
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<210> 22681
 <211> 752
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22681

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ggatgacttg tgcagcatat ccggacgtga gttgcgctac ccgtgtccat ttgttgaaa 660
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<210> 22682

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 22682

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aacagtccaa tacgccaag tccttgagc ccaggatgat tggcatcgac gccccgaca 420
aaacgcgttt tcgttctgag tgtggccgct actgaattcg tcgacttcgt caatacagat 480

cctgttcagc gcgttcatga aatcaccng cctagggcga cattctgcgg tcgtaacagc 540
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 ctgtgtcgga gttccgtctg gagatgcaaa gttcgaaaca ccaatctgca cgatcgtcac 660
 caaggcattg aaggttgttg gaagtgtagt gggctcactg agcgaatgca tggaggcagt 720
 ggaattgacc cggcgagggc tgggtgaaacc aaaatacag gttcggccgc tcagagactt 780
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 caatagtagc 850

<210> 22683
 <211> 472
 <212> DNA
 <213> Aspergillus nidulans

<400> 22683
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 aagtcttgaa gagcgtcgtt gctcagtcca atgccagtca gctgattacc aagcgtgaga 180
 atgtcgcaag acttgtcggg gataatttgg cccgccgcgc tgcccgttcc aacatcgctt 240
 tggatgatgt atcactcacg gtaagtgaag acacctcata tttttgcagc tcaggtttct 300
 ggtgctaacg tcgaatttcc gtcccattag cacctgactt tctccccga attctctgcc 360
 gctgtcgaa cgaagcaagt cgccaacaa gaagcccagc gggcagcctt ccttgtcgac 420
 aaggctcgtc aagagaagca ggcattcatt gtccgcgccc aggggtgaagc tc 472

<210> 22684
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
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 tccgataacc cgggggccta caacaagcgc atccgacgag gtcgcgcccc tgctcgggc 180
 aagggtgaaga cttctggaag aggtcataag ggtcaagggc agcacggaaa ggttccggcg 240

ggcttcaacg gcgggcagac gcctgatatt gtggtgcatg gggagagggg attcaagaat 300
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tctccctcga tctcgccccc gccaacctcg accgcatcca ggaatggatt gaccagggtc 420
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<210> 22685
<211> 850
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 22685

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agttggatta agccctaacc tggcgcgact tctggccgcc tgcaacagcg tacaatacct 180
tctttggtct ttcctcggaa tcagactagt tgagcgatgg ggccggcgta aaacgatgac 240
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cactttccat gccctccgtc tgagaccacg ggctaacatc gacccttgca gtatatccta 480
ccgagatcaa nctccctcaa tgcaacgaa tggcgcgtcg attggcgccg caaccaatcg 540
gaaattgaat ttcattggtt gggactcacg cccatcgga atcagaatct cggctggcgc 600
ttttatatta tatggattgt tctcaacgcg gcaatggtac ccaccattta ctttttctat 660
ccagagaccg caggacggac gcttgaagat atggacgagt actaccgtac aagcccgcga 720
cttttagttt tccgtgatca ggaggccaga acggtacaga atcaaagaag aggaggtggg 780
ccaaacgaat gaattcagtc gaggttctgc tgaagatgtg tctgctgaga aagaggatgg 840
gcttgttgaa 850

<210> 22686
<211> 784
<212> DNA

<213> Aspergillus nidulans

<400> 22686

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gttagcgact actcccgcgg tgctgtggag cgtatcttga ctgtgagcgg cccgcaagat 240
gccgtcgcta aggtttgttt taatccgtgg taccttcttg agcaatctca ctgaccattt 300
gataggcctt tggctctgac atccgtacat tgaacaacga gcccttgat gctgcttcca 360
cggctcaatc aaagacctac cccttgcgct tgttgattcc tcacatctc attggttcca 420
ttattggcaa aggtggtact cgtatccggg agatccagga tgcctctgga gcccgctc 480
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ctgatgctgt tcatatcgca acatactatg ttgctgtgac tcttgaggag cagcttacag 600
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ccgtcccagg tggatgcag gttgtacctt acgtgcccc gccagctggt ggtcagtatg 720
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gtgg 784

<210> 22687

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 22687

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cgatgtcttg accggggaga agattgccac ccgcggtgaa gtctaccacc acgagaacat 180
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cccgtccgag tacatacagt ggcgtttcca gactggtgag gatcgtgaga ccatggatcg 300
tgccaacaag caggtcaccg aggaggatga gaaggctgag ttgaagatct acaagatcga 360
gggtactccc tcgtcgtgtt gtcggtgtcc acgcccgtcg caagtccaag aacacctacg 420

agtacgagtg ttctttcttg cttggtgaga acattggcat gaagagtgag aagtggacgc 480
 ccatgagcac cactgacaac gcctggattc cccgtaacga gatcatggag tcttactcca 540
 agaaggttgc cgagattgat gccaggagg cttttaagag cggtaacatt cgccccctca 600
 tccgaaagga gattgaatat cactgcgccc agttggtttt tacgccgac tttgttccca 660
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 tgtttcccc ctttctgaaa tgttctctac atacccccct acttctaga gcttgcatt 780
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 tttctattgt 850

<210> 22688
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 22688

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 gttcacctct atggcgcaac gaggtatgtg taattgttgt ggagcttggc gtgaaagctg 180
 acgttgggtt ttgcagcgca aactggctgg cgatgtctca cggttcgtat tcgagattcc 240
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 tcacgaatgt tttggaccga gcgaaatcta tcaaactgt tatttggaat tccgacgagg 480
 aactcaaaca ggaggatatg gaccgggtga agaccgagtt cagccatctc aacattttga 540
 gcttcgagga cttgcggaag ctgggagagg aaaatcatta cgaccccgctg cccccggctc 600
 cggaagacct gtgctgcatt atgtacacat ctggctctac tggcccgcca aagggcgctc 660
 cactcactca cgcaatgtc gttgctgca gtacgtcacc caatcagatg atgagaatgc 720
 gcgagctaat atgaatagtg gcgggcgttg acgctatcat cggaccgtac gtcggcccat 780
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 tgtgtctctt 850

<210> 22689
 <211> 389
 <212> DNA
 <213> Aspergillus nidulans

<400> 22689

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 caccttacc ttcagcgcca actccccgcg ctaagaccaa cctcgagact gagggtcagg 180
 tcaaattcat cgccgatgcc gagactgacc gcatcctcgg tgtgcacatc attggcccca 240
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 tggccaccta ctccaaggcc atccacttc 389

<210> 22690
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22690

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 aaagagcccg cagcaacaac gaagagcaaa aaacccgacc gacaaccggc gcaggggaga 120
 cgcaacgaac aagccagcca aggcacggaa agacggagac cgcagaccga acccggaaca 180
 acgagcggaa gaacgagaag aaagagcgcc agccacgagg caaggacaca gaacgcaacg 240
 acgccaagac cgacgaaaag acagcggccc gaccacgaa cgaaggacaa ccccggcggc 300
 aaaaacacag ggagcaaaaa ccaaacgagg gcgacagaac caacacccgg agcaagcggg 360
 ccggaggcaa caggacaca cggggcagga gaaggcgaca agacggaaca accccaaagg 420
 acggcgggac ggcggaacac ccaaagacaa gcccaaaagc ccacagacgc caagcgaaaa 480
 aaggacgcga agagacagaa caagggaaag aaagaacaaa acagccacca gaaaagagaa 540
 aggcgcccgg cggaagaac aaaacgcaag cgacacaccc ccaaaagaac cacgggaacc 600
 ggccaagggg aagcgcaag acgaaacaag caagaagaaa caagagaaaa gagagagaga 660
 acacagagcc acagcgcaaa aagaggaaga aggaccaaac agaaacgacc aaaaacaaac 720

cggaaaacaa gaaggggagc gcaacgacac ggaaaaacaa gaggaacagc caccacaagac 780
 cgcgcccacc cacgggaaac caacagaaag caccacacaa aaacaccaag acaaccaaga 840
 cgcaaccgga 850

<210> 22691
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22691

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 atgttctacg acgccattgg cccaaccctc acttagatcc ttcggcaatg gggttttgac 180
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 gacatcatcc ctgggtctagt caagcgtata gggggccgga cagtcttcca taaggctgcc 360
 gtcaagcctg gccatccaat cctgttcgcg atgctccgc cccctcgcga gacaggcgag 420
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<210> 22692
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22692

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 gccagactt cctctgatg gccggcgtag gagccactc gacaaagcag gtgctcgaat 180
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 tcggcaaggc tacaacgatg aacgtcgtga agcgcttctt cgccgatata gcccgctcga 300
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 ccgagacat tacagatatc gttcacgaat ctgcaaagtc aagccccaac ggtgtctcga 420

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cgatttactc agccaagctg gcggtaatc agtacccga gtagaagttc aaacctcgga 780
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agcgaagctt 850

<210> 22693
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 22693

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gataaccccg aaacctggga gctgtatcaa ggacgcctca agaaaacgga aggagcagaa 180
gctatccgac ttagatggta cggcggcatg aacagtgatc aaatcttcgt tgaacggaaa 240
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aagaacgtga acgactttct agctggtaaa ctgacggtgg aaaaaatatt cgagaagatg 360
cggaaggaga agaagaagag cgaggctgag atagctgatt acgaacaatt ggctcgtgag 420
atccagtatc gggtaattac gcgcaagttg gtgccggtca ccaggacgtt ctatcatcga 480
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gatgttgag ttgactggcc attttcccag ttgccgccc aggatgttga gcgatttcca 660
tacgccgttt tggaggtgaa gctccagacg caagctggcc aggagccacc aaagtggatt 720
cgtgatctaa cagcgagcca tttggtggag gcggtgccaa aatacagcaa attcattcat 780
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gatgttgata 850

<210> 22694
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 22694

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aactatacgc ctgactggga actctgggtg cgcaatcctg aggatgtcca gctttatcag  180
ttcttgggca aagacaacgt gccctttcac agcgtgattt tccccggatg tcagctggga  240
accaaggaga aatggactat gctccaccat ttgaataccg ccgagtactt gaactacgag  300
ggtggcaagt tcagtaaata tcgcggaatt ggtgtctttg gcaacaacgc caaagagact  360
ggcgtcgccc cgacgtgtgg cgttactatc ttttaaagaa ccgtccagag acaggagaca  420
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<210> 22695
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22695

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tgattgggac gacaaaaatg gcgtttacga caaggcgggg aatatccagc tttcgcggct  180
gatgggcgca gacacgagac tcgatatgtc cggcttcggg attgaacata aattgaccct  240
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gcgcattgca aagttcacag gtgtcaagat aggtttggac gaggaggata tcacggcgga  600
ggatgtgata ttagatgatc ggtatcacgc tgggtgtgat gggattccag atgaggcgac  660
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cattgaggcg atcaagtttg gggccaggac tgaggctttc attacggatc ctgtgtatga 720
 aggaagagc ctgaatggga tgatggatat ggtaagaaag ggggaaatac aggagggggc 780
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 aatcagtga 850

<210> 22696
 <211> 471
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 22696

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 cgagctcaag cagctgtctc agaaccccgaa caaaggctat gacaagggtc acagtttact 180
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 aaagggtgcaa acggagttac ttgacgctat ttccggtgtt gacgggggtg ttggtggcgt 300
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 tatagaacgg ttaaaacaac tctttgagaa ttggcagagt aagggtggagg atgactttgg 420
 cggtgaagatc ggcaagggtc gtcttctggg tgtgaatcat ggctcccttg g 471

<210> 22697
 <211> 822
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22697

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 catcgcttc tccgccgtcg gcagtttgca ggaggagatc aagccgcgcg atttcgtcgt 180
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tttgcatggg tacgctgcat cctccatcat ctgtattgac caggaggtga ttccactata 420
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 gctgttcttg acgagctggc ggatgaccgc aacgcggagc ttgtccaggc gaagcaatac 720
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<210> 22698
 <211> 497
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22698
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 cagtctgcca tgagcgggac gaatgatgtg accggtttca ggctgcgcga tgtcgagatc 360
 catcaggcgc tcgtgattgc ggacagtgca gacggcgctc aagtgcagac gaccctccgg 420
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 gcgcagacag cgagtgg 497

<210> 22699
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22699
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ttggtgccgg tcttgccctt gtcagcagt acaacgagga gaagtcacc agtgtggttc 180
 tgtacggtga tgggtgcttc aaccagggtc aggtctttga ggctttcaac atggccaagc 240
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 aatttccact ggctaatagat cgcagacaac aagtacggta tgggtacctc cgccgctcgt 360
 tcctctgcct tgaccgacta ctacaagcgt ggtcagtaca tccttggtat caaggttaac 420
 ggtatggatg ttctgccac caaggctgcc gtcaagtacg gtaaggacta tgccatctct 480
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 gaccccggtg ccacctaccg tagccgtgag gagatccagc gcatgcgcag caccaggat 600
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 atgcctctgc ccgagaacaa ctctcgcatc ctgttcgaag acatctacgt ccgcggcagc 780
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<210> 22700
 <211> 632
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22700

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 tatcgacaaa cctccgcggt ggctggccac tgatctgcga gatggtaacc aaagtctgcc 180
 tgaccctatg gtatgttctt cgcaggatc tgcacgtttt gcgatactga catattgaca 240
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632

<210> 22701
<211> 541
<212> DNA
<213> Aspergillus nidulans

<400> 22701

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gatacccca acatgcgtca cgcagcgcg cctcgtagct caattgctgc cttttccccc 180
aaaccatac tttggtgact gatttgctga tcgattccag cccccggtcc tctccgct 240
cccgtcgta acccgggcca caagtaccag gacaaggccg atagcctgca ccagtacggt 300
caatacataa tggcctgtct gcccaagcac gttcagcaat tctccgtttg gaaggatgag 360
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acctcggctg aattcacgac tgtctccgat attaccgctg ttgattacc aactaaggat 480
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c 541

<210> 22702
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22702

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tcgtggaaca tcatcagcat gtacattttc gtttccttat ttgtctcgtt gatcttcgag 180
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tcccgcgcat cctcgacgaa ttagagtcg acaagcgga ctcgcttctg gcacacagaa 480

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gcggaaccga ggtacggcat tacgttccac tcgtgtctca tgatcctcgc acattataat 660
gtgattagcg acagcaagag tctcagactc gaagagttcc tacgacgccg ggccaagtta 720
cagcgtggga ggaagcagtc cgtcgcaaca cagtaatcgg cttcttcaaa aactcacag 780
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agaggtatgc 850

<210> 22703
<211> 536
<212> DNA
<213> Aspergillus nidulans

<400> 22703
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agccaaaata cactaacact ctaagaaaag agaccaaccc caccctaaaa accattcaac 180
ccgaccaagt aactgatgcc atccccaacc acaacaacia acaactggta gcaacaaccc 240
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ccaaaaccac ataccccccg atgcaaccat acacctggcc acaccaacc ccataaagca 360
cagcatacac cttacacia aactaccag aatcaaccac aaaccccccc aatacaaaaa 420
actaaaggac caaccacaag ccctgccaaa accacacccc ccctatacct cccccagaa 480
ctcctcccaa acacaaaac ccaaccatac ctaaaaaacc aagaaacag acccct 536

<210> 22704
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22704
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 <213> *Aspergillus nidulans*

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<210> 22706
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22706

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<210> 22707

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22707

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<210> 22708
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<212> DNA
<213> *Aspergillus nidulans*

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<210> 22709
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22709

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<210> 22710
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22710

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<210> 22711
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22711

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<210> 22712
<211> 800
<212> DNA
<213> Aspergillus nidulans

<400> 22712

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<210> 22713
<211> 720
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<213> Aspergillus nidulans

<400> 22713

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<210> 22714
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22714

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<210> 22715
 <211> 618
 <212> DNA
 <213> Aspergillus nidulans

<400> 22715

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<210> 22716
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<212> DNA
<213> Aspergillus nidulans
<400> 22716

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<210> 22717
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<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 22717

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<210> 22718
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<212> DNA
<213> Aspergillus nidulans

<400> 22718

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<210> 22719
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22719

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<210> 22720
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22720

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<210> 22721
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22721

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<210> 22722
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22722

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 ttgagagggc acaacggtat gcttgggagg cgcaagaacg tgggacacaa aaaatacatt 720
 tgcaggcaaa tccgacttcg ggtgagatta cgcgaaaaaa ggagttggct gaaagtgagg 780

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aacgcgcttg 850

<210> 22723
<211> 840
<212> DNA
<213> Aspergillus nidulans

<400> 22723

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<210> 22724
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22724

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 cggcctggat ctacagcaaca tttgtgattt tgtgggttat tgtggccaac tttatcgttc 780
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<210> 22725
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22725

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 gtgagatgtc cgctgctgcc ggccctgagc gttaccaggc ttacgttgag cctttaatgc 180
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<210> 22726
<211> 720
<212> DNA
<213> Aspergillus nidulans

<400> 22726

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accggaagtc aacctcgtaa acggaagaac agtgccgatc agttgtcccc taagaaagag 660
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<210> 22727
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22727

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<210> 22728
<211> 361
<212> DNA
<213> *Aspergillus nidulans*

<400> 22728
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atcgaccacg tgtacgggcg acagcaccat ggattccgcg cgtaaaccatc tggcaccggt 300
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<210> 22729
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<212> DNA
<213> *Aspergillus nidulans*

<400> 22729

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<210> 22730
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22730

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<210> 22731
 <211> 600
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 22732
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22732
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<210> 22733
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22733

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<210> 22734
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22734

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<210> 22735
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22735

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<210> 22736

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22736

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<210> 22737
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22737

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 agaaggtctt tctcgtcgca caaaccaagg gcgtaggaag gtacgacgtg gtacacatct 240
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 tgaggttgct caggcttata atcagagact ttccactcca gcacccttgt accgggatta 660
 catctcatc ctgcaggac tacagcaagg gggcaatgat ggcctcgcat actggcagga 720
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 agaaca 786

<210> 22738
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22738

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<210> 22739
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22739

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gagcttgaag atgtgagacg tgagctgtta gagtctcggg agacgcatag cagcagagat 360
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<210> 22740
 <211> 611
 <212> DNA
 <213> Aspergillus nidulans

<400> 22740
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<210> 22741
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22741
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 gattccgatt acagtggtag gtttgacgca agcttttttc acgggtcaaa gacctaggct 180
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 aaatggacca aggcatacaag ccgtcacgaa tcgtcctcgg aggggttctcg cagggaggcg 480
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 gcaagcgctc ggccgagatg gctaaggaat tgggactgga agatgtcacc tttaactcat 720
 acaagtgagt cccgggtcccc tgggtatata ctttgatgct aacgatgaaa ggtatctctc 780
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<210> 22742
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22742

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<210> 22743
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22743

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<210> 22744
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22744

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caatacccta ggaacgccaa ctcgtgcaga gtgtccgaat attgtcgaaa tgccttggtt 540
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cctctctcca gccgcgttgg atatggtctc ccaagtgttc cgttatgata cagccaagcg 660
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acagccaatc gagtaagtgt ttagcagttt ccagccgagt accaaagtac gaatactgac 780
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gaaggaaagg 850

<210> 22745
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22745

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tggaagaaga caccctttt ttagactcgg aggcgtcgaa caaatcgag tctctcacat 180
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<210> 22746
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22746

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<210> 22747

<211> 654

<212> DNA

<213> *Aspergillus nidulans*

<400> 22747

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<210> 22748

<211> 529

<212> DNA
<213> Aspergillus nidulans

<400> 22748

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aaccgcgtca agcaagaccg cgacaatggg gcgcgttgatg ctgcgcgcga gcaattggca 480
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<210> 22749
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22749

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<210> 22750
<211> 690
<212> DNA
<213> Aspergillus nidulans

<400> 22750

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cattgggtggt caaagaaaaa caagacgcac aatgccagat cgaatctgaa aatgctctta 180
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<210> 22751
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22751

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<210> 22752
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22752

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<210> 22753
<211> 564
<212> DNA
<213> Aspergillus nidulans

<400> 22753

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<210> 22754
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22754

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 gctatcatgg actaccagta caagtcaatt aaccggggag aacactccat ctttggtcag 780
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<210> 22755
 <211> 507
 <212> DNA
 <213> Aspergillus nidulans

<400> 22755

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 gagatatggc cccatcgtag gtgtcagccc gaccgaagtc tccattgcgt ctctccctga 180
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<210> 22756
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22756

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<210> 22757
 <211> 708
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22757

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gcaccattgc ttgcgagaca cccgactctg tgcgcaagga gcttgtgggc atcctggaga 660
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<210> 22758
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22758

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attactggca atcgaccact 500

<210> 22759
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22759

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<210> 22760
 <211> 670
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22760

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<210> 22761
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22761

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<210> 22762

<211> 310

<212> DNA

<213> Aspergillus nidulans

<400> 22762

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cttgaccaga gtcgtgtctt agaagtattg tcagtacggg aacaggaaat tccggatggc 240
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aacaaacttt 310

<210> 22763
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22763

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<210> 22764
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22764

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<210> 22765
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22765

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<210> 22766
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22766

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<210> 22767
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22767

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<210> 22768
<211> 500
<212> DNA
<213> Aspergillus nidulans

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<210> 22769
<211> 500
<212> DNA
<213> Aspergillus nidulans

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<210> 22770
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22770

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<210> 22771
 <211> 573
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22771

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<210> 22772
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22772

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<210> 22773
 <211> 840
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22773

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 aacacaccct gaagcagctt ctgaatacgg gaggtagcat cgtcctggac aagcatatac 780
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<210> 22774
 <211> 553
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22774

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 aattttctaa ccttttgctt aacgaggtaa ttgtggatgt ggagaaagcc gccgcataac 240
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<210> 22775
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 22775

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<212> DNA
<213> Aspergillus nidulans

<400> 22776

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gcttgcgaaa gcgatggaga tgtgggttgc cgagacctgg gcctactaca tcatccttgg 180
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<210> 22777
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22777
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<210> 22778
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22778

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<210> 22779
 <211> 579
 <212> DNA
 <213> Aspergillus nidulans

<400> 22779

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 aagaatgcta ttcagatcac ggactcatcg gcggtttatc tctatgggac aaataccaag 480
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<210> 22780
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22780

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 tccgtcgtg agctcctgat ttttcatcgg cttgaaaata ccgggaaacc acctacatta 180
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<210> 22781
 <211> 820
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22781

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<210> 22782
<211> 664
<212> DNA
<213> Aspergillus nidulans
<400> 22782

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<210> 22783
<211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 22783

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<210> 22784
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 <213> Aspergillus nidulans
 <400> 22784

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<210> 22785
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22785

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850

<210> 22786
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22786

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<210> 22787
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22787

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<210> 22788
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22788

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<210> 22789
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22789

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<210> 22790
 <211> 610
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22790

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 tgcgcccggc tcgacgtacc gatggactac caccggtcag atggccaagg cgctcgtatg 300
 gcgatcgctg tcgctcgact gccggcaaag gttcccgtaa ctgaccctcg atacggcggc 360
 gcaatactaa tcaatcccgg tatgtttggt tcagttgtct gacggttacc tactaaacct 420
 tcaggtggcc ctggtggctc cggcgtagct caggccctaa tatccggccg caatctgcag 480
 gccattgcgg acgcaactgt cgccctaca gatacgaatc actccaatct ctattttgat 540
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<210> 22791
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22791

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tgaagctcag attagtatct ttaccagca ttatccttca aagcttcggg gtttccagga  180
cacaatcttg atgtggagct gctgcaaaat atgcggcaac gagacacagg tgtttcctat  240
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catcgttccc agaacaagag tgacctggaa agttgataat gacttgacgc tcaagaaaga  480
cgtctacttg aaatgtgaac aacgtataac caaatttatg cagtccgtca aggcacggct  540
taaggcaata aatgttgaat gtgttcttcc cgacctcatg gaagattgca aggcggaaat  600
tgaaaatatg accaagaagg ccaacgaaga tcacaatttg atgatcaagc agttgcagga  660
aagatatatg aattctcggc attgggaggt catcccgttg aacaaagcaa tgagatctgt  720
ccaagaaaag gtcgtcgaat gggataccgc gtttgctgaa tttgaaaaga atttcttccc  780
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<210> 22792
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 22792

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gacagcgctt gtggagggtta aacgccagtc gccaaacttc acccgtgctc gcttcgtaac  180
tattcctaaa agacagcctc cgtctcttcc accacggaac cctcaacgag cgtcgactgc  240
gtcgacagct accccggttt ctccaaccc atatgcatca tccgacgaca accgttccgt  300
  
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gacctctgtt tctacccatg cctctacgag cggacccgcc acttccactg acaacacgaa 360
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gtcgtcaga gacgacgatt tccactctgt atccagtgtc aa 462

<210> 22793
<211> 564
<212> DNA
<213> Aspergillus nidulans

<400> 22793

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cttcagggtc aagcttgttt tcagggtctg gtggccagca aaatagcacg tctggtagcg 180
gattgttcgg caacaccaca gctaccacca cacaacagca gccaggcggt cttttctccg 240
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ttaattagtg gtacaaatcc ggggtgccgg cagcaacagc aacaacagca gcaacagcag 480
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<210> 22794
<211> 796
<212> DNA
<213> Aspergillus nidulans

<400> 22794

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tctgctgaag cagcactgct gcaattccaa caagaaaaga taccgtacta cgagagcttc 180
cagcaaaaag ctgctatgct tgaagaggaa cgcgaaagca ctaggttgac cctcgaagag 240
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aatcaactgc gcaacactgt tgctaacatg aggggtgcgta ttgaggacgg cttgcacatt 420
cgccagaacc tcagcgggaag aatggaacag cttcaggatc aattagcagc tctcactggg 480
gagatcgccc gtgaccaggc ctcttggcga cgcaaagagg aagaattgaa cgctaagtat 540
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tcgcagcagg agaacgaacg actcaggagg ctcgtcagcg aattgaggca aaagaaccag 720
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agagttgaga ttcagc 796

<210> 22795
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22795

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tgaagcttat caacaactcc aagcaccgag tgggtggtct ggacgaggat agtacaacag 180
tgtgcgaaca gattggagga agacaggaaa tggtaataga gtcagtgcgt ctacggcagc 240
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tcttgattaa cacaaaactg ttctgattca cgagtttga aaaacacaaa cgatgcccaa 420
ttcacggcag ggtttttgat ccggcattca tccacgaact tagcttatgg cctgggcagg 480
cgccaattcc ttccacacct cgcactatcc gtatgcaaaa ggggttccgg aatatgcaga 540
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gccaggtct ttggctttaa atctccgcca aggttttcgc ccaagacatg caacgaggca 660
atgcgacggg cgcttgggga ggcccttaag gagctaattg cacgagatga gagccaaacc 720
tctgttgttc ttaggcgct tgccgatgag cccgcttcta gtgaagctgg tacatagaat 780
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ccacgcaacc 850

<210> 22796
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22796

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ggtcgattac tccggccaat atgtgacaga tgtgctcaca gagaaagcaa ttggcttcct 180
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<210> 22797
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22797

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ggcccagttg atgttttgaa agacctagta gacatgggag cagatgtggt ctccgcctca 180
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gccttggaca gagttaatga caaggggctg acgatattgc atctggccgc ggaaagaggg 420
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<210> 22798
<211> 582
<212> DNA
<213> *Aspergillus nidulans*
<400> 22798

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<210> 22799
<211> 506
<212> DNA
<213> *Aspergillus nidulans*
<400> 22799

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cgctccaaag gcccgatgct ctgatttgaa gactcgctac aaaagctcct tgttccaact 180
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attagcctcg acaacaaagg tcgtccagga gtttatcaag ccggatggga tcggtgccaa 300
 gtcceaagaa aagttgattg ctgccgtga agaccggaaa cataagagct agctctacga 360
 gtggtggaag aatgtggcct acttgatgta ccgggaccct gtagtgccgt atgtcagcta 420
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 atctatggca gcactggagt ttaaat 506

<210> 22800
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans

<400> 22800

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 gaggacatga cagagctatt ctatcgcggc ctgcggatgt tcggaactga tttcatgggtg 180
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 attaacacgt attctgagat gaccaatata gtatacgacg accctcgatt aattcagcaa 360
 gagctagatg aggagaagaa gcgtatcgag gagcagtatg agaaggataa gaaagctcag 420
 gaa 423

<210> 22801
 <211> 347
 <212> DNA
 <213> Aspergillus nidulans

<400> 22801

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 gcgaacgcaa agcagaacag ggctcggatt gtgcagctat tactctcgca tgatccaagg 180
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<210> 22802
 <211> 520
 <212> DNA
 <213> Aspergillus nidulans

<400> 22802

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gaccagcgca agccgctcat ggctgctata ctcaacaacc acgtcgagat cgtcaggctc  180
ctgctgagcc gcggtgaacc agacgagtgt cttgctgtca cagcggatga acgagcatta  240
tcgctggaag cgtctgatat cactggcagc ctgcagtttg cggcgatgca tggaaagata  300
gacgttggtg aagcgttgct aaggatggga atcgccgtca attgtgttga cagggctgga  360
cggaccgcgc tagggttcgc ggcgagggcc ggcaaatcg acgttgctcag attgcttgtt  420
gaggctgggg ctagtttgac caaagtcgat aaggagggga tgacggcatt agaccatgct  480
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<210> 22803
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22803

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ctgttgcgcg tacaacgata gcatccatcc agatcgtggg aatactatag gccgtccagc  180
gagtggccct atttatattg ttgactcggc gtcgccggag cgtctgcttc cactgggagc  240
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aagcgctgcc ggcgtacatg gtgccctctg tcttctgct catgtcatgg atgccacgca 780
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<210> 22804
<211> 502
<212> DNA
<213> Aspergillus nidulans

<400> 22804

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acctgttgct tgccttttga tttcttgagg tgcagatatt ctggccgaga atatatgggg 180
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<210> 22805
<211> 828
<212> DNA
<213> Aspergillus nidulans

<400> 22805

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gcgatagatc gtctggtcac cagtgcgccc tggtcagccg gccgtcacgt tctgaccaa 180
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<210> 22806
<211> 617
<212> DNA
<213> Aspergillus nidulans

<400> 22806
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cgcttgatc ccggtaaagac tatgtactgg tgcttggtga gcggctctgc tgatgcgtcc 240
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aagcttatta tcaactgcgt tggctccttat cacatatact cactcctgt tgtcgaggct 360
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<210> 22807
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22807

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ttggcagatg ccatgagaga cagagattgc attcgagccg taatccgcgg cactgccgcc 240
aaccatgatg gcagaacgcc cagcattaca aaaccaagcc aagatgctca tgcattcctg 300
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tgtcggccac acagagggcg ctgccgggct ggagggggtt atcaaggtag tcctatgtct 600
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gacggaatgg aatattgcac tcccgaaga gaatatggca tggccgcagg acagagtccg 720
ccgcgccagt gtgaattcgt ttggccttgg tggtgccaac gtcctatgcta tactcgagga 780
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<210> 22808

<211> 316

<212> DNA

<213> *Aspergillus nidulans*

<400> 22808

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agccgctatt ctccctccgc cacctcagtc gcaggacaaa ccggacaaag aaatagctac 180
ctcatttgga atatgcatgg acataaaccc ttaccgtttt gaagctcctt acacagccta 240
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ctaacgctgc taagtc 316

<210> 22809
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22809

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atcccggccg aagtcgacgc gccgctgctt tccagcgata agggctcttga agccttcctt  180
gttaccgtct tttctcacgg cgatgccagc tctcgtaccg actataccca ctttcttggc  240
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ggcaccatag tcaagacctc cgcggtctcc cggccgcca agtcctccca ttccgcttct  360
ccgacctcgc aaccgatctt gacgctgact ctttcaaacg cgcgacgctc gcattccgcg  420
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<210> 22810
 <211> 685
 <212> DNA
 <213> Aspergillus nidulans

<400> 22810

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gttttcttat gcgacgcata ctctgaaaag ttccgcacaa tcaaggctac ggagtatggg  180
tccagttgtg cccaggttgc cgggtggcagc gaggactgcc tgtacctcaa catccaaacg  240
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ggtggttaatt tcgttgctgg cgctggttct gacctgcga cggacggtgg caatttagcc  360
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gcggtgccag ggacagacat ccaaggaaac caagggatcg ctgatcagat cttgctctt  480
gaggtagttc tatacaggaa ctggaacgtg gattcaggca gtgctgatgt gtgcagtgga  540
caataaaaaa tattgctcaa ttggtggcg accctcgacg catcaccata gctggtgaag  600
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685

<210> 22811
<211> 715
<212> DNA
<213> *Aspergillus nidulans*

<400> 22811

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gccaccccga gcaggagcac cccaaaccca acaaacaccg gagtcccaac gaatctcgcc 180
gccggctcag ggaacaaccc tcttgctggc ctaactggcg cgcgatatgc cgggtttgct 240
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cctcctccgg atgccgaatc gatgttaa atgcttgaga accctcaagt gcagtctttg 420
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actgacccta acacgatgcg tcatatgatg cagatgcaac gagcaatggg aggatttggg 600
ggcggtagtg ctttccctgc cccgggagtc accaatacaa cgcccagga aaatagaact 660
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<210> 22812
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22812

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gccttctccg acccctcgta cgccgccatc tcgcggccgt tctgaggagc gtacctacgc 420
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agacgaagaa gaacacggtc cttccaaatt ccaaccgcag gacgagaaac aggggtcagcc 780
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<210> 22813
<211> 563
<212> DNA
<213> Aspergillus nidulans

<400> 22813

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gatgagttac ggggtctggc taaggactgg agagggaaatg gtgctgcgtc gggctggggt 480
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<210> 22814
<211> 729
<212> DNA
<213> Aspergillus nidulans

<400> 22814

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 ttccatgccc agttgccaat cctgcatcgg ccgacctttg tagctgataa agcgccgaat 180
 ctgctgctgc tcgccgtcat agcgattggg gcagcaacgc tggacagtat tcacggacag 240
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 ggcgagttgc ctttgcggca tttgtcttag attccacca cgctacgatg tttggacact 660
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 ctgctacta 729

<210> 22815
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22815

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 tgggatgggt ggccagcctt ttcccatcag gattgacgag gtgcttggtc gtcgacgtg 180
 gacgccgagc gttgcacttg cgcgtcttta cgcagggcct aagcacgta tattcatcgc 240
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 tgacggatac gacataggct ggaagttggc ggctgtgata caaggctggg ctggacctgc 360
 gacgcttctt tcctatgaga aagagcgccg gcccgctcga gaattggctc tgcagtggtc 420
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<210> 22816
 <211> 719
 <212> DNA
 <213> Aspergillus nidulans

<400> 22816

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 catttgagct gtgttaagaa atggtcgaag aatgaaggcg ccgctgtgca ggatccttcc 180
 cgaaccgtgc ccggtggtga aaacggagag gctagcgggc ctctgtgcttg gaggtgtcct 240
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 gtcaagattg atgcgcgctg ttattgtgga aaggtagagc ccgaaatgct ctgcagctcc 660
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<210> 22817
 <211> 612
 <212> DNA
 <213> Aspergillus nidulans

<400> 22817

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gaaggcggag gaggaggaga ataggaagtt ccaggggact gccgtgaaca gggaaacatt 540
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<210> 22818
 <211> 840
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22818

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 cggcataaac ccggccaata tgcctattat cagcgtaagc tgactaccaa taccacttca 240
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 tcatcatgcg ctattactcc actggcgacc atatctatat cttegggttc tcgcgcgggc 480
 catacacagc ccgattccta gccgagatga tccataacat tggcctcctc tcacgcggta 540
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 ttggtcagtt cgagataccg ttcttccgca agtcataccg gtacatcgcc agcccttcgg 780
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<210> 22819
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22819

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tacttttcgta accacgtcta ttacatttcc ccgcatctga aagagaagac gtacctaatg 180
gctccaaccg ctccccgat tctcgacttc tcccccttct acggcacgga cggcgccgcc 240
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ttcgccctgc cgctggagga gaaaatggcg attgataaga gttgctctac ccgaccaaag 420
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<210> 22820
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

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tcggtgtccc gactcctact ggctccagcc ctgtcacctc gtccactcct gtcacccgc 180
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cccctgaaac cactaccccg 500

<210> 22821
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22821
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caggatacat actccgcct gaagaataag tacgcagcga acttgaacga gcgttgatc 120
gagagcacgg aaccaagcaa acatgtcttt gaggatttga gcattgcggc gttcttaata 180

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 ctctcaacc ccgcaaaccc tcccccttt ctggctattc cctgctgctc acattccctt 720
 tctggggcgc gacaccggtt ccggcccag tcagctaggc cctcagctac tcaaaacctt 780
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<210> 22822
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22822

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 aatgcgcgat gaaaacggtt tcaaagtgtg agttagtcgc atcctataga tgaaagtaat 180
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aatacaggag caagtggagc gggcgagagc aaaggaaaag caggaggaga ttggtccgga 720
 ggcgaggaat ctgcagcgta aggaaggtga gaaggtcaag ttaaattattg gattcgggtgc 780
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<210> 22823
 <211> 499
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22823

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 gaaccacact tccgaagctg tgaagtggct tatcaagcaa ggggctatgg tagaggccaa 420
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<210> 22824
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22824

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<210> 22825
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22825

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<210> 22826
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22826

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<210> 22827
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22827

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gctccccat ccaacaaggc atcttgatga gccagatcaa ggaccacaca acatatcaag 660
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<210> 22828
<211> 787
<212> DNA
<213> Aspergillus nidulans

<400> 22828

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ggttacgagc gtgcggtgtt ctgcggacgg aaatgcgctt ctaacgtcta cactcgacag 720
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caccgcg 787

<210> 22829
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22829

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 cgctcaaacg ccgctctctc ccaaccgta tggatcgccg cactcttctt tacctccgcc 180
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 cacatcacct ggagctcagt atggattttc acaacactca tccaccgctt cgacctatag 300
 tcttgctctt cccaccacgc cgggcacagc ctacgcgtcc ggcagcggat ctctgtccag 360
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<210> 22830
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22830

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<210> 22831
<211> 789
<212> DNA
<213> *Aspergillus nidulans*

<400> 22831

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tattcttgca gcaaaagctc aaagtcggca caacagagca aaaattcgac atcatcgaag 180
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<210> 22832
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22832

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agaagctgcc aacgcggccg cttttcaggc tctccaaaag cgcataccta acacctatgg 180

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<210> 22833
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22833
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cttgtggagc acattcgact cggatgtgcg cttcgaaatc agccattcaa gcactattac 420
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<210> 22834
<211> 850

<212> DNA
 <213> Aspergillus nidulans

<400> 22834

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cgatattcac gtccagaacg aggccgccag agccagatca cgctctacag cggacgtggg 180
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gctgggggtct ccgaatcggt gactcgcgag atctcgccgt gtacggcgcc ggcttgtatt 600
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<210> 22835
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22835

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gaggcgttcc gaagcgaggt aaagggccag ttttaataaa cgtcgacttg caagcctgac 240
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agggtcccat attgcgccg gtccaattct cgacgggtatc gcgggtcgat aacctcggtg 360
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 ttgaacgtag gaattcaaatt cggaattcta ccctggcgaa cctgttctca tcctgttgga 540
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 caagcagatg cttcgcgcac tcattaaaaa taacgtgact cgagagtcct ggaacggcgc 780
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<210> 22836
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22836

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 aaccctacct cgtctatgaa agagcccagt ccaagcgctc gagcgccaac tggcctacct 720
 tagcccagta tcttaacaac acaattgccg gtgacgcaac aggcttctcg tcaagccttg 780
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850

<210> 22837
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22837

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ctctcccgtg cggaggccac ggcgatggat ccgcagcagc gccagttggt ggaggtcgtg 420
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tgtttcgtgg ggagttatgc 500

<210> 22838
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22838

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catcttggtg ctgcgcgagc caattcggtt tgggaaatgg cagcaggcgg atcagacgac 480
aatgcccggc cagcaggcaa gggaggacct cgagtgaaca actttttccg cagcatcgcg 540

taccaacttt ttgccaatgt ggtagactac ggcgcgaggt accgcgggat gcagcgcgtt 600
gccctctccg aagacacgct cgaagcaacg gccgacatcg tcctagacaa ggaccgccac 660
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gccacgtatc 850

<210> 22839
<211> 312
<212> DNA
<213> Aspergillus nidulans

<400> 22839

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aagcatatgg actctcaggg gtctcgttgc ttgaatgtca tcgccaaact caagcgagtc 180
aagcaactgt ctgaagactt tgagttactt cgtcatcgct cgcggcaatt gaaggccgct 240
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tgggttctcc ct 312

<210> 22840
<211> 351
<212> DNA
<213> Aspergillus nidulans

<400> 22840

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ttacggttgc ggtggcgcgc tggctttcga cggctcgtga tgcggactgt atctttgtct 180
ttcatgcggg tagaattgtg gagtttgggt cgcatacgga gctgcttagc cggggtggaa 240
tgtatgctgc gatgtgcgag gccagaagct ggatgtgaat ggcactgtgt cagcatgatt 300
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<210> 22841
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22841

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<210> 22842
 <211> 530
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 22842

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 gttggaccaa ctttacaac gtcgagcgga aatcatccaa tatgcactgt aggtgcattg 180
 gcctggaatt gcggtgccga ggtgctatac tgatgcttta tagacaggct cacatggagg 240
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<210> 22843

<211> 461
 <212> DNA
 <213> Aspergillus nidulans

<400> 22843

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<210> 22844
 <211> 580
 <212> DNA
 <213> Aspergillus nidulans

<400> 22844

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tcacacaggc cggttatata ggggacgatg cagaagtatg cgtacaccgg cttctagcgg 180
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gccttttgaa gtcctcgag ggtacgaccg tacaggtgca ggcgaagcag gaacgcagtg 360
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<210> 22845
 <211> 670
 <212> DNA

<213> Aspergillus nidulans

<400> 22845

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<210> 22846

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 22846

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<210> 22847
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22847

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 tctgaagttt ttgggtcaagg accaatcttg atcgtcgccg tcgtcatagc catagccgga 240
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 cttggaccgg tatctggagg ggtccttgct cgatacggga attggaattg gacattctat 480
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 ggaggggagg actggcgcac tctagccacc agttgcattg gtgggctggc gatgggtggtg 720
 ctagtgtttt atgagagcgt ctgggtgtcg cggccgatgt tcaatctcgg gatatttagt 780
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<210> 22848
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 22848

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<210> 22849

<211> 461

<212> DNA

<213> Aspergillus nidulans

<400> 22849

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catgggcatc gacaatcccc aggttcgctt tgtcgttcac tggagcccg cagctacatt 180
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agtctactat agtctccagg agcgagaacg cgttcttaac catctccgcc gggacattga 300
aaatgtcaac aacagcacag gtggccggaa tgcgggcctt aaccaagaca aagtctcgct 360

tttgagaaat ctctacgctc gtaagcagag cttcgagaag gtagtccgat attgtgaaac 420
aactacacga tgtagacacg aactcatcaa ggagtttttt g 461

<210> 22850
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22850

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ccatccggcc tggataaggg taccaaagaa gaagtggaaa ctgttcatcg tgttcgcttg 180
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caactgatgc agttttacct gcgcgttcgt gagacaattg gtgctccggt tgaatgggcg 300
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<210> 22851
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22851

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aaaaaaggca aaaaccccag ggaaaacccc aaacgcggaa aaaagaaaaa gccaccccc 180
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 ggaaaaaccc gagggccaa acccaggaaa atgaccaa aaagggccgc cccaacccc 300
 gagggccaaa cccaaaaccc ccgccgggg cccccccga acacgaaccg cacaacggcc 360
 aaaaaacca cgtgagaaaa agcacaaaac cccccgaaa aaaacagcca caccaacgaa 420
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<210> 22852
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22852

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 gagttcgaga aacaaagcag cgtactgcg agggccggca ggagatcgat cggctacatc 120
 tgcaacttca aaacctgtat tacgagcagc gacacctgac aggggaaatt gccgcttgcc 180
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 accccgagca ccgagagtca gatgagcacg aattgatggt tgcgcggata aaccacgagc 360
 atgcggagcg agagaagctt gagcaggccc gacaggaact tottaagcgc aaacaagctc 420
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<210> 22853
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22853

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 gtcgattact ctcccgatga ttccagcgtc actagcagcg ttcacgacac gccagcgacg 180

ccgttctcaa cggttcaac ttccgtgaga tatccatcgg aattgaaaac tcaccgctgc 240
 ccgttcgaag ggtgcaccaa agcgttcaat cgacccgccc ggcttcagga acatctgcgg 300
 tcacacaaca atgaaaggct cttcagctgc acctacaaag gatgccagaa gacctttttg 360
 cgcgctcgc acttgaacca tcatgtcaaa agtgcccaca ctggagtacg agactacatc 420
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<210> 22854
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22854

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 agggcgatgc tcttgggtcg tgccgtcgca aaaataaacc tgtgctgaca ccttttcac 180
 tctcagtggc catgaccctg cgagactttt ccatcgccgc gtcaacaagc gtaatgttcc 240
 cgattattac gatatcatca aggagccgat ggcgcttagt atcctgaagc agaagatcaa 300
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 gtctagaaca ttatcatgct cgtcgtgtgc acgatgtgcg tctgacatca ccttcgatac 420
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<210> 22855
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22855

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gttctccgtg aaaaagacaa tgggtcagtc gtatgcgaat tggaatttag tcataccatt 780
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ctggcccatc 850

<210> 22856
<211> 680
<212> DNA
<213> Aspergillus nidulans

<400> 22856

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<210> 22857
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22857

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 caatcgaggg agaactgttc actgcgtttg tcgcgccgg cgcaatctcc aaggccaacg 240
 cggccgatcc gaagaagtca tccctggtcc gttgtgcgcg cacggataaa ggtgtccatg 300
 cggttgaaa tatcgtctcg ttgaaactga ttgtcgagga tccggacatt gtccagaaga 360
 tcaacgacca tctcagtcct cagatccgtg tctggggat ttagtcgcc aacaagtcgt 420
 ttagcagtta ccagatgtgt gattcacgta ttacgagta ccttatcccg tcacattgct 480
 tccttcccc gcacccaat 500

<210> 22858
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22858

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 atategactg tttccgctgc agtcctgca gcacactcct agattcggat gcgcatcttc 180
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 ttcgatgccg gaactgcaaa aggaaaatcg agaatttgcg ctatgcgcgg acgtcgcagg 360
 gaatcttttg catggattgc cacgagtctt tgatgcaacg acgaagaaag aagaatcgtg 420
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<210> 22859

<211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22859

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gctgatctac ggcctcgta cctaccccg catgcaggac cggctcctgc aagagctagt  180
cgaccacggc ataacagaag aactgagct cacagccgac ctaacagaga acctcccctt  240
tcttgacaag tatatcaagg aaatgcagcg gcgccataac ccttcctacc agccaggctg  300
aactgcgaaa gtcgacctag tcctaccagg ggggtacaag atcccaaagg acagcgttgt  360
cattgctgcg ctgcaccata tccacaataa tccgagtatc tgggataacc ctcccggttt  420
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<210> 22860
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22860

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agaaggaaat ctcgaccagg tcaccaaagg gcagtccggc tcaggacacc agctcgaaga  180
caaagcggag caacacccct cagcctagcg aaacaccaca gtctcagcgt tcggacacta  240
gcacacctgc ccaagctacg tctacgccac gagggcccag atcaggaaga ggcaagcagt  300
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<210> 22861
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22861

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 tggcgccgcg ctcaagctca agatcagtag ggaacgtgtg ggcatagagg tgcaaaagat 780
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<210> 22862
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22862

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 aagaatgcgc tcgcgctact agtgccaatt cctcaaccga gcctgcatct actgatagtg 180
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aatccctcg agaagtgttc ccgcctcaca gacgtaatgt catgatggct caaggtggac 660
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<210> 22863
<211> 703
<212> DNA
<213> *Aspergillus nidulans*

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<210> 22864
<211> 500
<212> DNA
<213> *Aspergillus nidulans*
<400> 22864

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<210> 22865
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 22865

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850

<210> 22866
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22866

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<210> 22867
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22867

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<210> 22868
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22868

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<210> 22869
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22869

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ctccccgaga 850

<210> 22870
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22870

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cagggtgatc ttaggtgata tggttgccga cagcgtaac agtgtctggg ggctcgatag 780
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<210> 22871
<211> 500
<212> DNA
<213> *Aspergillus nidulans*
<400> 22871

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cggaaatgga ctgatgaaga aaccgttgcc ttactgcgtg gcgttatgaa gtgcggtatc 420
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aacttgaaag ataggtatga

500

<210> 22872
<211> 438
<212> DNA
<213> Aspergillus nidulans

<400> 22872

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tattacttta gttgcaaata ttattaacag aacacctaca agagtgatag gatagaaaac 180
accataggag atgcttacag gaaagaagcc aaatctagct aatttctacc tgattagttg 240
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tccttttata gaggatga 438

<210> 22873
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22873

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<210> 22874
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22874

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<210> 22875
<211> 559
<212> DNA
<213> Aspergillus nidulans

<400> 22875

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tggcaagatg gcgtcagtga gcgcggaata cagacggttt tacaatatat aagggcaatg 300

ttatatgact ccggattacc acgatggcta tggccacagg ctttacaaac agctgtctat 360
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<210> 22876
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22876

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<210> 22877
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22877

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<210> 22878
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22878

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<210> 22879
<211> 371
<212> DNA
<213> Aspergillus nidulans

<400> 22879

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<210> 22880
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22880

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<210> 22881
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22881

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<210> 22882
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22882

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<210> 22883
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22883

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<210> 22884
 <211> 680
 <212> DNA
 <213> Aspergillus nidulans

<400> 22884

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<210> 22885
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22885

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<210> 22886
<211> 512
<212> DNA
<213> *Aspergillus nidulans*

<400> 22886

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catataaaac taagctcttc cagactgtta ccttgaaata tggaatatcg cgtcttgaag 480
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<210> 22887
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<212> DNA
<213> *Aspergillus nidulans*

<400> 22887

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atcagtcgta taccggagcc ggttggtgat attatcaagg atgaagttga acggtgtgta 180
ataacaaagc tcctgggatt catcgtgcac gaagcgaatg aaagttggtc cacatgatgc 240
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gcagagtgtc ctcatcttcg atatctcaac gtcagatcta acaactttcg tgaatttcct 360

agaggagtac gtttcgtctg attgatttct tgtcgtagct ttctgactgg tatgctaggt 420
gattaaactg ccattactgg agatttttga tttgagccgc aacaaaatta gccagcttcc 480
ggaggaaata aagaaattaa catctctccg agttctgtcg gtgatgcaaa accgccttga 540
cgatttacca cttgggtgtgt cggatatgaa caagcttcag atcctcaaag tagctggaaa 600
tccactgcgg taccgg 616

<210> 22888
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22888

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acaattgggc gcagcatcgc gctcgtcaga atgggattat cggctggcca ttaccattct 180
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cgtgctatgc ccgcgctct 500

<210> 22889
<211> 685
<212> DNA
<213> Aspergillus nidulans

<400> 22889

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 tacagctcgc ggagaaagcg gtccgtgata agctatcgcg gctgcttggt atatttggag 600
 cttgtgcagg gctgtgttat agcgcgctct ggtactttcc cctcctcatg gtggttgggg 660
 gttttgtcac ggctgcttgg gatgg 685

<210> 22890
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22890
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 tgcgatgcga tgtaagcacc atagaactga ctctcgatgt atgtggctaa ctagtatcag 180
 ctcttaaccg atgaagtcga gaacgaaatc agcctgacgg cattccgtct tcttactctg 240
 gaccttttga ctttatactc cgatcatgaac gagggcacia taaacgttct aggtaagttg 300
 gatataccac acattacaaa gccattacca accgcgacta gaacactatt ttgaaatgtc 360
 gcgcctgat agtgagcgcg cgctggagat ttacaagacc ttcaccgcgc aaactgatga 420
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 ggatttcaac cagcgccgca gagagtatct tgctcggaag ggaaaaagtg taagtagcag 600
 tgctttcgca gcagcctcga ccacgggtga taagcccgtt tccaactcaa atcctacgcc 660
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 cttctttgac tcgattgagc cggcccagcc agctcagttc cagcagcagc cgcagcaaca 780
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 acagacagga 850

<210> 22891

<211> 549
<212> DNA
<213> Aspergillus nidulans

<400> 22891

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ccggatcacg gagataattc cacgtacgac aaccagatg atatggacga tgggtccgat 180
atggagatta cgggagcggg ggggtgaaata ctccacgtg tccaggagga agcggagttc 240
ggggatggag accagaccac agggatggat ttactgccg ctatgggcaa gatattgacg 300
cctgaacgag cgagcccaga taaggtagac tcgcagcctg ccagctctcc tttccaagag 360
tctgtcagag catccccagc taagtccccg gcagccttcc atgttgctgc tgcgcctct 420
gaaagtggta gccctagctt ggccagtgtc aggtcaaggc ctacaaggca gaggctgagc 480
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tcgaagacc 549

<210> 22892
<211> 722
<212> DNA
<213> Aspergillus nidulans

<400> 22892

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tgtaaatacag gcgactctc tggcgacggc gagcaaggga gcatcaacga caagatcctg 180
attatcgtat atttggcaat cgctcagttc gtccttatct acatccatct ttcgttttgg 240
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cgacaggaa cctcgttttt tgacaacctt cctccgggag aggtagcctc tcgactcaat 360
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gcgctttcaa acttcaccgt tgtccaggcc tttggcgcaa acgaccgctt ggaggagaaa 660
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<210> 22893
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22893

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 gctctggaaa actccgctca agatgcatcg aaagctgctt caccagacgt tgaggttcca 180
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 acggcaccgg atagcatcag caaaagggca gctagattgt ccttggaggg tgatggcaag 360
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 catccgtttg ttaatggaca accagttccg gaacgtcaaa actcacacca gactgctgag 660
 caaagctaca tggtagcagt ggcgtatgaa gcttcttgag ggtcttaagg agggcctaga 720
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 agttcagccg 850

<210> 22894
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22894

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ccttgagcac tgccatttcc tgaaatctat tgatgatgcc cgccgtataa aaaaccaagt 120
 actggataac atggaactcg catgcttacc aaccactact gacgaggagc ggaaacgcct 180
 gctgtccttt gttgtctgcg gtggtgggcc aactggtgtc gaatttgctt ctgaactctt 240
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 aagtccgtga agataaagtc gttttttaccc aactagaaga cggaaagacg gtaacaaaag 540
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 tcagacaagc tcgaggccca aaacaacaag cagccctag aaacagactc acacctccgc 720
 ctcatcggag ctccctctggg cgatgtatac gccatagggt attgtgccac agttcaaaac 780
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 cacagaaagt 850

<210> 22895
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22895
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 atgttggaag atcaaagcat ccagcattta atatcatggt ccagcaccaa cgacagcttt 180
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 gtgagacaac tgaatatgta tggtttccat aaaggtagac cgtttcctgg ccgcataatc 360
 gctcttaata acgtcgggtga cagtaagcga tgtctttcat accggatctc ctgactctgc 420
 gctctgggaa ttcaaacacg gcaacggaaa tttcaaacgc ggcgaccttg ttggattgcg 480
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<210> 22896
 <211> 668
 <212> DNA
 <213> Aspergillus nidulans

<400> 22896

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 ccatagccag tcaaggctgc agctaaccgt cggaagcaac aaaggctcggc gctattgtcg 300
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 ctttaactcg aagtatgtct acctcagcgg cgaaatgcac gaccgcatca cagcagatac 600
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 attcccg 668

<210> 22897
 <211> 555
 <212> DNA
 <213> Aspergillus nidulans

<400> 22897

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 cctcacgcag acggcacagt cgtcaaggcc ccaagcggcg tctctcccca gtacctcgtc 240
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 cacacgtgcg cagatcgcgg agcaaactgt agtcatcatc ggctgcggtc ccgtcggtct 360
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cccgtcgcgg ctggatctag caaagtcgct ggggtgcagag ccctgggatt tcaagaatga 480
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<210> 22898
 <211> 814
 <212> DNA
 <213> Aspergillus nidulans

<400> 22898

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<210> 22899
 <211> 645
 <212> DNA
 <213> Aspergillus nidulans

<400> 22899

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atccttttaga ggctggggct attcaaccga gccagagaca tacaatatac ttcgtgaggc 180
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<210> 22900
<211> 514
<212> DNA
<213> *Aspergillus nidulans*

<400> 22900

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atccggcgac ggggtgcgcag ctatcgctc aagcaaaggg atcagccttt cacaactcta 180
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gtcgttgtgg ttgggttact atgtgtgcat cggc 514

<210> 22901
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22901

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cgctttcagc agctgcttcc atgggctgcg gccctgactg gctgcgctcg cgcccagagc 180
caggccggcg tcgatccgct cgaccgtccc ggcaatgacc tctacgtaaa ggacctttcg 240
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<210> 22902
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22902

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cctatgtcct cagcaaaacg aacttcaagg gccgtgtctt catgacgcat gctacaaaag 180
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<210> 22903
<211> 499
<212> DNA
<213> Aspergillus nidulans

<400> 22903

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caagcagggt gagagactgg tcaaagacag tgaaattttc cgcattcacct acgtgagttt 120

acccccttca ttaatacgaa ccaatctaac ctgtatagta cccggacaac cagaagacaa 180
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 aagagtacaa ccgcttctat cgcccacttg ttcaccagga tgggcttata atccgcatct 420
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<210> 22904
 <211> 805
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22904
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 acacgttgca ggccgcgacg ctgaatgagc ttcagggtgcg tacttcgctt gctaatatag 180
 gtaaaataag gccacatcgc aaaacttgct aactcgaggt gtctagactg tttacgatga 240
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 gtcgagacaa gtgtctcctt ttgattogcc gtataatcag ctactgggaa ggtgggtggac 780
 agtctacgac cggcattacc actct 805

<210> 22905
 <211> 556
 <212> DNA

<213> Aspergillus nidulans

<400> 22905

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catccacaaa cactggcaca aacaccgcta ttagcatccc cgacggacca gtctacaatg 180
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cgctaaatct gggcgattat tacgagaata cgtatcagga aagttatcaa gaggactacc 360
acgaaccgga gacaacacca gttcctactt ctcaggtaat tgaggaacct ggagagattc 420
cgacgccgtc gctccctctg ccgccgcctc caacttcggt gcccccgagt gtggacctct 480
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cggagaccga agacaa 556

<210> 22906

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 22906

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caagcagatt ggccataccg gctgggtgga ctttttttagg tcccagggca atcgcaagag 180
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gctgaacttt tgcgtcactg gagcactttt tttcaaccag tatataaatg ccattgcgct 720
 ggaggcggtg gcctggaagt attatatcgt gtactgcgtg ttcctgggat ttgaagtctt 780
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<210> 22907
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22907

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 agtatttatg cccgctattg gcgactcaga atgctaaccg aagaagacct atatttacct 660
 tacacaagtc gtccaagcag aaacgatgat gtttggttac cgcggatggc gccgccagt 720
 gggagatgag agacattgtg gaggtgcact gctctggcaa ttgaacgact gctggccaac 780
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<210> 22908
 <211> 810
 <212> DNA
 <213> Aspergillus nidulans

<400> 22908

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 aatccgagcc aggagaggtg gcaagggtc tgcgccatgc tctcaagact gggtagcgtc 180
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 cagtaaacc agatgggacg cgcgccgtcg accgatcctg ggaccagagc gagacctggc 720
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<210> 22909
 <211> 667
 <212> DNA
 <213> Aspergillus nidulans

<400> 22909

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 aagacctcat aggaacattt gaccaaattg acacaactgg tatgtgctcg actcgactca 120
 caatgacgga ggtgatggag tctcccactg acacatcgct gtcccagccg gtccttatgc 180
 ccttggtggg gcaaagggtcc gagccgacgc cacggttatc gtaaacttca gaaaaagtgg 240
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cagtcggtct gacgtcgca tacatggtgg tgccgtcag cgagcacttg gatacaattg 600
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atgcgaa 667

<210> 22910
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22910

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cactagatga cggcgagcga acggtctggg cgagctggaa gaatcactct gagccgcgct 180
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tgaggtatcc 850

<210> 22911
<211> 500
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 22911

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 acattcccgg gggcggtttt gtttctatga cacctcggca ctctgaagat cgactactgg 180
 cgtggggccgg aaagaccaag ctcccgatat tgagtcttaa ctataaaaag ggcgcagagt 240
 acccgtaccc gtacgcattg aacgaatgct atgatgtcta tcaactcaatt tttaccactc 300
 gtggtcgttg cttaggggtg gccggggatg tgccgcctcg cataatcctc acgggtgaca 360
 gcgcccggcg caatcttgcc gtaggcacag ctctgatggt tcttcaatct agtgatcgta 420
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 acccagcgct gaacatgaag 500

<210> 22912
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22912

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 caacgctcca gaagcaggca ttgacggcgg cggtgttacg aaggaattcc tgaccagtgt 180
 aactaacgaa gcgtttaaat ccacagttgg tctacgcttg ttcgaggaga acgatcaaca 240
 cttgctgtat ccagccccgg tcgctgtcga acaacggaag gagaatctgc ggcagcttgg 300
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 cgcgccgttc ttctgtctaa agtgggcatt gacgggcgga acgggttccg ctcaacgcga 480
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 taccgttgcc cgacggaggc agtcgcacaa tcaactcgga cctgaagagc aacggctccg 720
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<210> 22913
 <211> 523
 <212> DNA
 <213> Aspergillus nidulans

<400> 22913

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 aagcttgggg actggttcga agcctatgcg agtatcatgg agctaaacgt atggacgaaa 180
 accagtgtca cgggagcaac gtatgacgaa gcaaagaagg aatgggctgt cacgataact 240
 cgtggtgatg gtcagaacg agtcctgctg cctcgccacc tcgtctggtg cacagggcat 300
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 catgccacca aacaccagga tgcgtctcag catgatgtca aagggaaaaa ggtcacagtc 420
 gtgggcactg gcaatagcgg gcacgacatc gcgcagaatt tctacgagaa cggcgccgat 480
 gtcaccatgc ttcaacgcag gggcacatat gttatcacac agg 523

<210> 22914
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22914

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 ggaattgggc gttgcgatta aagagtgtgg tgtcccgcga gagcaattat tcgtgacaac 180
 caaggtgaac cagaacattg cgaatgttcc caaggctcta gaagacagcc tagagaagct 240
 ccagtttaagc tatgttgatc tgtacgtgtt actcctctca tcgctgttcc ataaattgac 300
 catgaaccgt cggtgtttcc agatacttga tccaccagcc tttcttcgcc gaatctccaa 360
 ctgagcttca ggatgcatgg gcggctatgg agaaagtga ggaagcaggc aaagcccagag 420
 cgattggagt gtcaactttc tagagagccc ttagaaacga ttttggattc agcgaggatt 480
 ctggcagcaa tcaatcagat cgaatctctc ctttatgcgc agcatggctc tctcgtccca 540
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agccaaaggg ggtccgttgg atccgttgct gtcggaactg gctggcaagt atggcgttgg 660
cgaaggagag attcttctga gatggtcctt ttaccgtggc gccgtagcca tcactaccag 720
tggaagggaa tctcgcctaa gcacatacct aaatgttttc aaattccaat taacacatga 780
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caaattcgcg 850

<210> 22915
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22915

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tatgtgtatc tcaattttta gccggcgagt ctaaccctgg cagatttaca atgaacaatt 120
gagggatttg ctctctcccc actccgtgtc cgccgcagac cgcagtaccg ttactatccg 180
cgaagatacc aaaggccgca taattctgac cggctctgcat caagtcaaca ttaactcggt 240
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gaacacagtt cagtatgcgc agagagcgag agcaattcaa agtaagcctc gtatccagca 780
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cctgcggcaa 850

<210> 22916
<211> 578
<212> DNA
<213> Aspergillus nidulans

<400> 22916

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ccaggagttg ttctgctg atagtagtgc ggggtgacacg agttcagagt tctgcagccc 180
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gcctggcgat gtggcttctc gaggccagca cttctttgag gaagcggaga tgcgctggaa 360
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gtgagttgtc tgcgaaggctc ttgcaatgct ataaatgagt gtgtgtgctc gcaaaaggct 480
gatggctaac aaattgtagt ctgaaactcc aagggaaaga cgatgctagc tggctttata 540
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<210> 22917

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22917

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cgtctatgtc tcccggaaca agaacttcca gaagggcgga aatagctacg atgctatcgc 240
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caagttcatt agccccaccc ctctgactt cgacaacccc gcccttaatg tcgaccctgt 480
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cgtcgagccc gagaagctcc gctcctggct cctcgtcaat aagcagcgta gccgccaggt 660
ccgctggggt gagggaggac tactagaagg tgaaaccgtc agcgccaacg accttgacta 720

tgctctcgag aaggatctta tccatgtcag cgagaccaag gctggccgtc gccttgtcga 780
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 agtgtgtcct 850

<210> 22918
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22918

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 ccctcaggta aaggtatata ctacatgagt cgaagtgacc gaaaccttat ggagcgtatg 180
 ttttctgaag ggcttattaa ggttctctgc tgtacagcca cgcttgccctg ggggtgttaac 240
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 ttccaggata caggtatcgg cttcatttgt acaacacatg acaaattgaa ccactacctg 420
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 ttgaacgcc aagtcctatt 500

<210> 22919
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22919

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 aatgtgcctt ttttcattac tttcttgatc aaaagcagtt acgagcgtgt ttgctaattc 120
 atgcccttca ggcctccgt caaataacag acccatcttc gtcgccctcc gccacaaagg 180
 atgaaaaccc ctaccatcac cttcgcacat cgcgcaccag cggcggttgt cacggcttcc 240
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 aagcagagcc gccggagcag gggtcggatg tggcgggcaa tggcactgcg aagatcgtca 360
 tggatgagcc ctcgttgga cttttgtctg ggagtacagt tgactatacg actgagctga 420

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<210> 22920
<211> 692
<212> DNA
<213> Aspergillus nidulans

<400> 22920

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aagatgagcc accttgccga acttgccaat gtcactctcg ttactctcga cgtcgtcgac 180
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<210> 22921
<211> 523
<212> DNA
<213> Aspergillus nidulans

<400> 22921

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gactgagact ccacccccat caagcaccac gccatgcgag accgaaagcg acacccctcc 180
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aacctcgcaa acaggcgtct ccccagcacc cacaggcgga agctcggatg aaaacgaaac 420
tagtccccgaa cctgagaccc catccgatac tgacactagc cccgagggcc ccgagtctag 480
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<210> 22922
<211> 766
<212> DNA
<213> Aspergillus nidulans

<400> 22922

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ctcgccccgg acccctcaga acccgaggca ttccaggctc acgacc 766

<210> 22923
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22923

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 ggagtgtgga gtattttgag gatctccgca acatcaacca ttgcgagttt gtgatcatga 420
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<210> 22924
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22924
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<210> 22925
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22925

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<210> 22926
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22926

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gccagcgggc cagataccta ctgtcgctcc atatgacagc cctgaccag caaacacgcc 600

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cgctcaagtc atctacccag cccaccggat acagtatgcg cacgccgcaa ctatctggac 660
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<210> 22927
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 <212> DNA
 <213> Aspergillus nidulans

<400> 22927

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<210> 22928
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22928

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gagtcggagt atgggcatgt tcacggcttg caggattact ggcgggttca cggggaccag 420
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<210> 22929

<211> 537

<212> DNA

<213> *Aspergillus nidulans*

<400> 22929

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tcggagacgg taggtttctt cgcgaatgaa taaactgagc tatgaatcaa ctaatcacac 180
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<210> 22930

<211> 600

<212> DNA

<213> *Aspergillus nidulans*

<400> 22930

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gcgtgggact cgggggtgac tattccttgt ctgctgtgat atgctccgag tatgtacact 180
gcaatgtact tataatacct actaacatca caggttcgcg cccacccgaa ttcgaggctg 240
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ggtgccagaa ttcatcgctt tgtggttccg actgacaacc attgggtctc cacgatacac 480
ggccgaagtc actcaaaaca gcttgcaagc ggctgcagac gtctcctact tcttcgggcc 540
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<210> 22931
<211> 730
<212> DNA
<213> *Aspergillus nidulans*

<400> 22931
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gcttcaatcg gatcatggtc tccacgatca tggcgccggc gctgtcttta atctcccagg 180
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acacggggaa 730

<210> 22932
 <211> 678
 <212> DNA
 <213> Aspergillus nidulans

<400> 22932

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gcatcccagc cagccccaaa accaggaact agtccccgtc aatccaccga gtctggtgag 420
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gatccagctg aagactac 678
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<210> 22933
 <211> 698
 <212> DNA
 <213> Aspergillus nidulans

<400> 22933

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gatttgccac aaccgccgat gttgagaagc atggtctctc tagaggcact gtcgtatact 480
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<210> 22934
<211> 627
<212> DNA
<213> *Aspergillus nidulans*

<400> 22934

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tgccctttgcg ctaaccgagc cgcattatct attcagattc gtcggcgtga gcgatattgc 180
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ctcaeggcatt tgccttcaa tacccca 627

<210> 22935
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22935

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ggcgaccact tgagcagatt cactttcggc aaaaatgtgg aagccgtcgg agcgctgat 180

ggacaccatc aggcattacg ccagctttcc agcaactggg gtttcgctcc gacagatggg 240
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<210> 22936
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22936
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<210> 22937
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22937

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tttgaatatg atccccgtgc gagttgtctt tggcaataaa tggactgggc ttgatctcat 780
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<210> 22938

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 22938

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gcgctgccac gccattcgtg 500

<210> 22939
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22939

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<210> 22940
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22940

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<210> 22941
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22941
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<210> 22942
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22942
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 tccggtcatc gtccttgca gtacggtcgg ccgaaacgcc caggtgaact atgagattgg 720
 gattagtgcg ctcatatcga tcttacagcg gccctcgacc ctggacgaag cgatggggga 780
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 gagcttgga 850

<210> 22943
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22943

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 cacaggttgc cgtgcacca ctgctattgg cgagcctctg cattactaca ctgacctcac 180
 gagcagccac ggatgggagt gggttggatg cacacaggac aacgttggcg gggagcgcac 240
 tctgaccggt tcgtccgccg ggacctcaga tatgacgccg gcgacctgcg ttgagaaatg 300
 ccttgccgat ggctacagct tcgccggcgt agagaattcc aatgagtgt tctgtgggga 360
 tagcgttggg gaggataaaa tgccgaaagt tacaccgatg gggaaatgtt tacagccttg 420
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 cgagggcgag tgcggcaatc 500

<210> 22944
 <211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 22944

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tggtgcatcg aatcaccaag tcagtgaggc aatcgctacc accctcatgg acgaggagcg 180
ccagaagcag cttaaggata aatggactcg cttcatggct cttgggtctag cgcttttgta 240
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gcagggtgaa gagcttgtgc aatcttacgc cgtgctaggt ctgtcgttga ttgcgatggg 480
agaagatggt ggtcaggata tgattcttcg acagttcggc catctcatgc actacggcgc 540
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tctatagagg cacctgacca gttactacca tctacaccag aactctttat tagtggtgcg 780
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cgacccacag                                     850
  
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<210> 22945
 <211> 420
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22945

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aggcggcgac ggatccaacc ttgccatcat cccacccggt ccgaatctgc tctccgagga 180
actccagggt tcacctatcc ttggcggcga tggatctggt ggtgctggcg gtctgggagg 240
cggatgatggt ggtgatggtg gcgcgtttga cctggacgct gcagccgaga acgaccccg 300
gctcgcccttt gcgctgcgtc tgtcgctaga ggaagagaag aaccggcagg agaaggagag 360
  
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gcgggagcgg gaggcgcaac agggtaagga gaatctggag ggaattccag aggagggatc 420

<210> 22946
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22946

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ggtcgcccgc ggcataaagg ccattggcct gcatcagaca tcggccttta acagcggcga 180
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gatggcgaaa cggatactgt tcgacgaaaa caagaatgca atcggcgtag aagtcaacag 360
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cataccgttg gtcggacggc ttgctgggcc aggatgttga ccaccttttg gccagcttgg 540
gcgggtgaac ttgccggtta aaacatcaaa tcaggtagga tttacctgct acaatccgag 600
atctgcagcc gtgctgttcg gttggccgtt caaagctggg ggttttaaac ccgggatttc 660
tttcaacttg cgagtggatg ttcttggagg ttgactctac aaatgggggt ttgatttata 720
agtcgcgggg atatcttggg ttaaaattgt ttgttcatt tcccttaata cctactagag 780
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gaagtttaca 850

<210> 22947
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22947

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ggacccgcac acgtcacggg tggtcggaat agcattatcg tcgtaaattg tcgccagttc 180

cgcatgcacg attgcagaga tgtagacggt tatctgagtt cgtccagcaa cccgatcatt 240
gaggattgtg aaggcatacg gtttggccgt atcccgcggg catatgtaag tctctccata 300
tatccccgta ttttgtcttc aaaccacaag caattcttct gataatcaaa cagcatacgc 360
ttgaacacga ccgcctggac agtgatgaca gatggagcct cgtcgaggac ttcaaattgga 420
ttaagccaga gccgagccct aactggagtt tactcgggtca ggatgccggg gttccagagg 480
aggtttggac tgaaattggt 500

<210> 22948
<211> 620
<212> DNA
<213> Aspergillus nidulans

<400> 22948

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tctggtatct ccttttgttc cgacatatgc ccagacgtcg cattaccogt cgcatgcaag 120
ttcctctcga cctcaacttc cagatttcgg acgtcattcg cccctagtat ctccctcatt 180
ccccatgtac agtcatgttc aagatacaca ttctggtct cgttcggcat ctccctcgacc 240
acagcttcca gagatcacgc atcaactcgcc tttgtctccc tcagtcccca tgcacaacca 300
cagtcaactg tcgcatcagt cgtcccgaga gatctctcct ctgcagctta cggaacgcga 360
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cccaggcccc gccgttcac gccaatgga tatgaacgat cgctatgtgg tcttcacaag 480
gactccgtct ccagccggcc attcagacgc gaacgggcaa acgcccctcac cattgcgaga 540
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gccgtctccg cagcctgaat 620

<210> 22949
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22949

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taatataaa aatatatatt atattagcat gcaaagtagg aagatctaaa gggttatataa 120

ttatagttta agactgtata agcaactatt taagagtata gtatatataa agataatatc 180
 tggaatttta ttaagacagg ctttataata ggactctgct ctactttaaa agtaattatt 240
 ataattaagt atagtaaaag attatataga gttattcagg ataattataa ataagttaca 300
 gttatcaaga taattaggtt aaaaggtata tatttactac tagttattat attaaaagca 360
 agcttttaac aagctgccta gttccaagaa tctaagcttc cttgtaacta gtagatttct 420
 actagtcaga atagctagat aactgataaa ataggccttc tttagctaaa aaaaatcttt 480
 gaactacttt ctaagtacca tataactagt ataaagtatt tacttattct taatagctat 540
 agcgattatt taactgctaa gtttaatact ttctataaga aaaatgtaat aatctatctc 600
 tatataacctg cctatgcttt gaattatctt taactactta atataggtat ctttagcctg 660
 cttaaagggg tatataaaaa acttcttaaa tattatataa aagtaggtaa taattatatt 720
 aataaagaag actttttatt gctataccct gacatatata ttaaaatatt tactttaaaa 780
 aagatctgca gcagttttaa aggggtagga cttaagctat ttaatctaga atatattctt 840
 .ttaagactta 850

<210> 22950
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22950

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 aggcgcgtaa gcttaaaacg tacattcacg gacgtcagtt ctgctatacc tcagcgtcaa 180
 ctgatagaac ctctagcaca accatatccg acagcagacc ccttttcccc gctaggtacc 240
 ccgatcattg gctctgtttt tccaactcca gccttgacaca cccatagcag caaatggaac 300
 cctgtctcaa ggccgttttc cgaactgaat ccaaggcacc ctggaccatc ttagcggcga 360
 atgacttatc atgtctcgta tttggcggtta cacaggctga agttcgcaag ctgagtatct 420
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 cgatgctgca gccaaagctg 500

<210> 22951
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22951

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 aagcagcaat tgacttatcg tcgtcgctc cagaagcgcc tcctcagagg ccccgcgagg 180
 gtcgcgaccg ccggcagagc tcatggtctc ggggtgataa tcagtatgtg gagtacaatc 240
 gaccgcgggtg gcagccagac acggaggtga cagaatgtcc tatttgtcag acgaccttta 300
 gcttctggta tagaaagcac cattgccgga aatgcggtcg ggtcgtttgc gcttcatgtt 360
 caccgcatcg gattacaatc cctaggcaat atattgtcca tcccccgagt tctgatcggt 420
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 cttcattgtc accagcggcc 500

<210> 22952
 <211> 579
 <212> DNA
 <213> Aspergillus nidulans

<400> 22952

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 cttcaatcta agaccaacct ctccctctc gagcttctca aactttggaa aggcttggtt 180
 ttctgtacgt cctcgctata caatccttct aggaatcggt gttgattgat gtttatctga 240
 aacaggcttc taccactccg accgccccct tacgcaacaa gccctcgccc gcaacctctc 300
 ctatacgctc gttccctctc tgccctgaac aacagtgcac cagttcctcc gcgcattctg 360
 gataaccatt gggcgcgagt tccactctat cgatcgctc cgtttagaca aatacctact 420
 tttgattcgc tcgtatgttg gcgttgcggt ccagatcttc ttgaagaacc ccagctcggc 480
 ctccactacc acaaacggtg ctggtaccgg taccgacacc gttaacaaga agcgcaagag 540
 agaggactct acgaagtcca agaaacgctc aaagtccaa 579

<210> 22953
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22953

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 aacctttacg agccctgagt actctggttt attccgacaa tgttgacctc caaaggagcg 360
 ctagtctgac attcgtgag attacagaac gaggtatgcg tggtggtccg gcaaagtgc 420
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 agcccatcct gttcgtccca 500

<210> 22954
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22954

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 attgaatttt tgttcgctaa aatgatctat catcgctcca actggataga cggtaagag 180
 actcctccca ccgcaaccac catctccgtt gtcaaccccg caacagagga agccctcgca 240
 acgatcaacg caacaccctc cgaagccgtc gacgagatca taaccgcctc ctggaagacc 300
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 gcttctactc tcctccgcgg ccgcatcaat gacttcgttg ccctcgaaac cgtccaaacc 420
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<210> 22955
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 22955

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tgatgcccgt gcagaaaagt ctcaagctgc ggggtgatgt ctcgtaacctg atagtcggcg  180
gcttgaaggg tctctgtggg agcctagcaa catacctggc ctgccacgga gcaaagcata  240
tatctgtaat gtccgcgagc gattacacag acgataagtc aaaagctgtt ctgagagacc  300
tcactttgct aggcgtcaac tgcagtctag ttcgcgggga cgtgtccgtc aaagatgatg  360
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agtccatcac tgaccgattg gataccgaga cctgtatccc actcaacgag gtccagctac  780
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<210> 22956
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22956

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aggcacaatc caacgtaca aagtccaccc ggccaaatgg ctacataagt acgcgggcgc  180
cccgtccctg tcccagtccc ctgcaaagct caaagctgac cctgtccttc gtaaaataga  240
ctccccctta gcctgtccta cctcgacggc gccctcctcg aaccctcag tgtcgtcatg  300
cgcggtattc aagttgcgca actcgaactc ggccgcggcg tcgtcatctg cggcgccggg  360

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cctatcggcc tgatcgggc cgcagcagcg cgcgcatcag gcgcccaccc ggtcgtaatc 420
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taccagaaca atccgacact cgacgcacaa gggaacgcca aagcaatccg cgcgttattt 540
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aaggaaatca tcaacaatgt cccgtttatg catctgtccc tcgcagagat cgatctcaag 720
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<210> 22957
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22957

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gaaatcgatg aaaccgatcc tgaatgcgaa gttgatccgt ctcgatatac tcgggcagac 180
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ccgccaccgt cgcgcgaggg attccccagc cttectttcc tgatcgacca tgcacgaagc 780
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gaattagacc

850

<210> 22958
<211> 793
<212> DNA
<213> Aspergillus nidulans

<400> 22958

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acatgatgac atggcttggg gggttttcag tagtctgtct tgcacccctg cgagcgccga 720
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gactgctgaa ctt 793

<210> 22959
<211> 547
<212> DNA
<213> Aspergillus nidulans

<400> 22959

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ttatctggcg cggtgactcc cttctgacct atctgctagg gggctagcct tcgccttcgg 180
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 ttctgatctt gggactacg tccacctcat aagcatcggc tcttctctgt ctgtctttgg 360
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 cgctggactc gggtttggac tactctatat ccctagtctg acgattgtta gccggacctt 480
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 gatttat 547

<210> 22960
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22960

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 gtaacgcctg gcgacatctt catggccaat ccatccattt ggccattctc aaaaggggttc 180
 agcgactact acaagacctt caccagaccc ctacctcata agggagagacc cggcgaccca 240
 acaatggggc ttaaaattga cgctatcttc gtctttaatg atccgagggga ttgggcggttg 300
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 gacaagaatg gacgcgcaa tcttcccaat cgcgatacc agcaggatgg gcaaccgcct 420
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 gcggagaagc aactcctgcg taaccgatcc agagcgtttg cgtttgaaac gacaagaccc 660
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<210> 22961
 <211> 612

<212> DNA
 <213> Aspergillus nidulans

<400> 22961

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 ccgtaaggt actgcaggtc ggtgaagagc gcaatgtgct gtcggagctg aaaatgacca 180
 cgaacgaata caactgggtc cagtcgatct actttgtatg cagcccgTTa tatcgtggag 240
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 ctgcagaacg tcacgccgcg tctctggcag tcgcggatca tgcttacctg gggcatcgtc 360
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 gggttgtgcg aagctggcat gtttcttggt attgcggcgc agctctgcgg gtggatatgc 480
 agcgacgaga tggcgacgcc catcatgtgg atgtttgggt tccagaatac atcagggatt 540
 attgggtcgc tcattactta tggcatctcc tacatgaatg ggttacagga cttgagtgcc 600
 tggcgatggg gc 612

<210> 22962
 <211> 494
 <212> DNA
 <213> Aspergillus nidulans

<400> 22962

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 gccgcgactg gggtccgctc cctctctgct attctgctga gattagtcta ctcgctcctc 120
 caaccgagac aactaaggac attggatgat ggagaatgcg agcctcgacc aaaatctgat 180
 tgatcagcct cagcagctcg cgactccgct cgactccgac cccggttcgc ctttgccgcg 240
 gaacagtaac actgccggcg cccggtctcc cagtaggccg agtaccagtc ccaccgcagc 300
 agaagccaga gtgcccatcc ccagactcgg cgcttctgag agggttccca gccacacgcg 360
 cattccccgc gcctgcgcca actgccagaa gaagaagaca aagtgcgata gccggaaacc 420
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 aagccaacaa ttgc 494

<210> 22963
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22963

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aggcggccgc tattatctgt aagtgagcat tcctacgtga agatatcatg gctaacgact  180
tgcagatgcg cagtcgaagt tgctgtctc gtcaggaatg ttgttcgcta acccagttcc  240
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acggacatct aatcctgccg tcatcaagca gagccttggg ggagtgggcc acaatgtcgc  780
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gagcggccac                                     850
  
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<210> 22964
 <211> 647
 <212> DNA
 <213> Aspergillus nidulans

<400> 22964

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acgactgttt cgcaaatcag gcctcctgaa acgtcatgga gctgacagcc ctaccacttc  180
tggtaagaa tatggctgac atttcgttga tttaccagtg gtcgagtcct acattacaca  240
cgtaaggatc atggaagatg gcgcttatcc ttcgtccccg cccccgccta attcttcccc  300
  
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tgaaaaacaag aaggcgagag tcataatcgt cgctgtgaga cgggccggaa gggtagcat 360
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 tgacctctcc gccattaaat catataatgc gatcgtgccg tctagccctc aggaggaact 480
 gcaaaaacaa tgggcatcga acgttggtt tctggttaact gtgggaaagc cttactactg 540
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 aaaatatacc ggcggcaaaa tgccgatct tataggcttt gatgagc 647

<210> 22965
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22965
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 acaccacctc accgcgaaat attcgcataa cgccacagaa cacgcttcaa attatcccgc 180
 gtttctccgg aaacaatggt accggcgagg aagggcagtg gactagcgcc cgcacgaaa 240
 caaggaccac atccttcgcc gccgcttcag gcggaagct ctacatcgag tctgcctgc 300
 gcacgggatg cgtccaagc tctcagcaa aggggatctg gctgccttc tgggcattgg 360
 gggaatcctt caggggaaat ccaacaaact ggccgatggc gtcagagtgg gatatcatgg 420
 aggtcatcaa cggtagccc acagtctata acacactgca ttgtggagtc gattcaaacg 480
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 ggtccatcgt gtttctggtg ctgatgttg toatgagact gtttgagaa ctatagcgca 720
 caagggtcat tttctgctgc tgaatgttg cgttggtgga aactggcctg ggtatccaga 780
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<210> 22966
 <211> 500

<212> DNA
<213> Aspergillus nidulans

<400> 22966

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aatgcatatt gcgacggacc ttgctatcct agttatccct atacctgcct tgtatagtct 420
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cgttttctgt tccatggctg 500
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<210> 22967
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 22967

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agacatgcgc agtggaaga cccggtcatt cagaagattc tgccttcggt acaggttagg 180
agcatgtacc caacatggac gacccctcaa ctcccacgt gggagaaaaa cggcggtgtc 240
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ctggaagatg ctgaggcgtt tgccgtactg cttagccata ctctccgtgg tgtatataag 360
aaggactctg cagacgctat cacaaaaaag gaggccatca cgacggctgc gaagcagtat 420
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agcaagcggg atatgggccc 500
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<210> 22968
<211> 618
<212> DNA
<213> Aspergillus nidulans

<400> 22968

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cgaccttccc cacagccttt gataccagtc tctccaacaa cttcaccaca acctcttgtc 180
catccttctt cacaagcttc ctttccgact cctccttcac agactgccat gccatctcaa 240
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tcgtgacaaa tgcttacgtc gacctcatca cctacgagcc catctaccgc gccacctgtc 480
tccagaaccc agacacctcg aactactgct ttgttgacgc tgtgacgaat acctccaatg 540
cagcagacta cgacgtctat tctctcccgt acggcagtac aatcaacaac agcacctccc 600
tgcccacatg cagctctt 618

<210> 22969

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 22969

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gtggaacttc atcatggagt ctcgccagga agccaacatt cgggccaaagg aaaggacttc 180
gctggggcaa gacgcaaaga aggatttctt ctactacctg ctcaacgccc gcgatcccga 240
gaccggaaaa ggtctcgcta ctcaggaact ctggggtgaa gcgaacgttc tgatgattgc 300
cggcagtgat accacctcca ctagtctctc tgctgccatc ttctacctgg tccggaaccc 360
gcacgtctta gagaaactga aaaacgaagt ccgctctcac tttagcgacg tagaggagat 420
cgtgaccgga tctaagctca atcagctgac atacttgaaa gcctgcattg acgaggctat 480
gcgtctcgca cccgcagtcc caggatccat tccacgcgaa gcatcggacc cggttgctac 540
cgtggatggc ctgctctcc cagaagggac cggctgtggg actcctccgt actgcatcca 600
cagacgtccg gactattacc gagaaccgct gagctacttg cctgaccgct ggatcgaagg 660

ctctacctgc aagaccgccg acgcagcctg gaccgtgacc cgagaggagg tggacttggc 720
taggaaagcg ttctgcccatt tcagcattgg ccctcgcggg tgtattggga agagtatggc 780
actgatggag atgcgagtca ccctagccag gcttatgtac ctgttcgact tcgaactggc 840
agacgctacg 850

<210> 22970
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 22970

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ttatcggttt catactctca cgactcgcgc cttctagcct cagcatcgga tgaccgtaca 180
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gatagtacag tcaagatttg ggatacagga acagggttc tgcagcatac actcgaggg 480
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aactagagg gtcacagtag tttggtcacc tcagtttcat tctcgcatga ctcccgctt 780
ctagcctcag catcaaatga ccagacagtc aggatctggg atatcgaggc acgctccctt 840
caacatacat 850

<210> 22971
<211> 561
<212> DNA
<213> Aspergillus nidulans

<400> 22971

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ccaaatgagg tcaacatggg tgcaggaag gctctacaga ggcctaccg cgagagtatt 480
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<210> 22972
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 22972

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agggccagca gcgtggccct cagtatggac ttgcctgcta tccgcggcg acgctctgta 180
atcattcttg cgtgccgaat gtgagtttcc cgttacctt cagagacgaa cttcaagctt 240
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aaacacggcc ctgacgagca gagccgaatg gtcctaacag ctacacgaga tatcgcgcca 360
ggggaagaat gctgtatttc gtacttcgac ctacaggttc acgttgatct taatgccaga 420
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gaggccaagg cctgagtaag 500

<210> 22973
<211> 780
<212> DNA
<213> *Aspergillus nidulans*

<400> 22973

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 ctggcaattc ctaatcga aaacgaaatgg tgtttgtgag gttcccggaa cccgctatac 180
 tgttgattct ttttacagt agaccatggc ccgttgtgta aaaacgcgcc atgggtacta 240
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 aacggggcag tttgccttgt cgaaccggct ttcttatgaa tatgactttc aggggcctag 540
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 agactgctgc tctgccatcg tggcggggac aaatttgatg tttgcaccga caatgacggc 720
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<210> 22974
 <211> 539
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22974

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 ttatctctcg acttcttata cccgagcaga tatctacatc agacacctgc gagacagtca 180
 acgagtccgc catttttgat tactgcgact cggaagatct aatggtgctt ggctggatcc 240
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 ccggactgtt ccatcctcat gctgagacca atctatacac ggatgcgttg cgcccagggc 480
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<210> 22975
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22975

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gcttggtctac cctcgcttg ccacctcgtc accattgcgc gtgctagacc tatgttgccg  180
acagggcccg cacacaatca atctagcaaa gcgactctca tccgtccaat ttacgggggt  240
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<210> 22976
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22976

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cacgctcgaa ggtcacaatg aatgggtcaa atcggttgta ttctcccatg actcacgtct  180
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tgtattctcc cactgctccc gccttattgc ttcacatcag atgacatgac agtcaagatt 720
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<210> 22977
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22977

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 tagagggatt catggtctta gtagaaaagg attggctttc cttcgggcac atgtttcgcc 180
 atagggccgg gcacctaaac agcgagaaat ggttccaaat cgagaacgaa aggattggag 240
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 ttctcttca atagcgagaa ggagcgggta gaaatccaag gctaaggatc gcacacgcag 660
 tgtctggact attttcttgc ccgccgagaa cagttcttga atccaagta cgatgctaac 720
 attgacgaca atatgcgagg cagggaacgt tgatcttccc acgaatcgac gaggttagat 780
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<210> 22978
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22978

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 ggagcctagc ggcaagagtc tgggatcact cgcctttcca aatgaaacaa attgagaaac 180
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 gactgcaaaa acatctggcg aattttccga agcttcgcgt ctccgtcaag atgacgggaa 360
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 gaagcaccag gatgacagta ttacttgcca tgtaatgtgc gatgaaattg gtatgttttc 720
 aaccatataa ccgtattgtc cttgagttat tgatatttct aagctgggac ctcacgaagc 780
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<210> 22979
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22979

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 ccagtattcc acgttgatct cgtacgactt gcaaataacg accatctccc ctgcgaaata 420
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tccgtactag acaaacggtg gaagaagata ggaagaggag accgctggga gtacctgctt 540
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<210> 22980
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22980
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 agatagtcgt tatgtctggc tatcatttgg ccaggcttct tacgttgtgt acgatttaac 180
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 cgtcaataat gccgccacac ccaccgtgaa agccgtcgca tcaggactgg tctttacagt 600
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<210> 22981
 <211> 539
 <212> DNA
 <213> Aspergillus nidulans

<400> 22981

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 tctctaacct ttttctagag cgtattcact cagggatccg tcctcatgct tgcgactggc 180
 ccggctgcgg caagcagttc atccaacggt ccgctctgac tgtgcattct cgagtgcaca 240
 ctggagagaa gcctcacatg tgtgaaagat gtggcaaggt atggcagtcg gagtgtcagt 300
 ggtgattctc tatactaact acaacgttgg tatacagcca tttagcgatt cgtcctccct 360
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 ccaaaagaca ttcacccgcc gcacaacatt gacacgccat caaaatcatc atactgggac 480
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<210> 22982
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22982

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 tcctcactgt ttccggtctg aaggtctccc cgaagacccc caacctgcc aaggctgtgg 180
 cccacgatgc tgctgttgcc atcgtcagga acatcaacgg caacgctgtc aaggccgttc 240
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taagcgtgct 850

<210> 22983
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22983

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aagaagaact tctctccgac ctctctctca aggcgttaca cgatatagca aggcgtctat 180
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acttgaaaag ggaagcaata gctgctcttg ctgaggtttc aaagcatcaa ccgcggtga 780
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ataccagcta 850

<210> 22984
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 22984

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 gcaaggetct ccgcacattg ccattaccgc cggcacaacc cattcgggaa aacaggatga 420
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 aggcatctct tcatgacatt tatcgcttga gtagcctcgg aaaaatggct gcacttatgt 660
 gcgatgagag gggccgcttg gagtctgatg ccattgactg gtcggcggag acagacatac 720
 ctcatgtgca gacggttatt gagacagctg cggtcagcaa cgtttcagac catcaatttg 780
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 tgggatccga 850

<210> 22985
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22985

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 tcttcgccct tctcggaccc aatggagcag ggaaaacgac caccatctcc ctcatccgtg 180
 gcgatataca gccaacacgt aacgaggggg aaatattcgt cgaaaatata tctgtcctga 240
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 aaatgactgt tcttgaacac ctctcttctt acgcccgtat taggggctgt ccagatataa 360
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 cggcaaagct ttccggcgga aacaaacgca agctatccct aggcacgcgc ctgatgggaa 480

atccttctgt tctgcttcta gatgagccat cctccggcat ggaagccgcc tcaaagcgtg 540
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 caatggagga agcagatgct ctggcccacc gcgccggtat catggctaga cgtatgctgg 660
 ccctgggaac aacggatgcc cttcgtttga aatatggaaa tatgtaccat gtgcatatag 720
 tccatacaca agcaccacat actagcgatg aagacatgga gaagatccgc ggctgggtga 780
 ccgataactt tccaggcgcc gttatcgagc agaaaacata ccacggacag ctgcgtttca 840
 gtgtccccgc 850

<210> 22986
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 22986
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 tccttgttga cgaaagcaaa gctggcgctt tgctgtttac ataccccaag gcctcgaccc 180
 ccggctgtaa gtctactctg tgcgctcgat ggtcagttat cgatgactgc aatttggttt 240
 aatcaaacgc tccctgcac cgtgttgaca agccagacgc tgacataccc aaggtacaaa 300
 acaagcttgc ctatttcgtg atggggttga taagttaacc tcaaccgggc tggccatcta 360
 cggcctatcg gcagattcgc caaaagccaa cactaacttc aaatcaaggc aaaatctgcc 420
 atactcccta ctctgcgaca cagcgtcaac ttgattagc gccattgggt tcaagaagtc 480
 gcctcgtgga accatcaggg 500

<210> 22987
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22987
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 tgtgccaag gactaccaag ctctacttca gaagccgcta caagcagcac ctatatttcc 180

cggcgcattg actgagatat ccgataatgt gcagcgaccc ttggcgagtc ggcctaagga 240
 ggcaactgccc agggggcagca ttgactcgct agatgatata ctgggttacg accaagacat 300
 ggaagacttt gtcgaagacg acgatggagc tggttatgtt gaggatgtca atgggttcgg 360
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 atcgtttccg aagccaaaga tccacccgcc acttcaacct ggtagcacgc cttggagggg 480
 gaatcgccgg tattttatgta agagcaccgt ctctaacaat gtcacgtact gacaggatag 540
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 tggaatttta tgaccgggaa ctgcaccgtg actttcactt tactgacccg tttttgtatg 660
 atcgggcatg cctaagtaag tcaactattc cggatgtaat cgcctactaa cagcatcaga 720
 tgaaaatggg gctcttttct caaacaatcc agttgatgat agccctgccg cgatcttgta 780
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<210> 22988
 <211> 660
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22988

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 gggttataat attggaatgc gcctcattga agactttctg gcaaagtcca atgctcaacg 180
 atgtgccaac ttccgtgaga cggcggacat gatctcaaag gtacgatagc cgttggtaaa 240
 ctacgacgat cagctggatc taccagtgta agctaatacg gatcaggtgg gatttaagat 300
 atttctgaat atcaccccca cgggtgacgaa ttggggccagc gacaacaacc aattttcctt 360
 gatctttgat gagaacccgc tagcggattt tgtcgagttg ccagacgatg gacgagcgca 420
 ggatgaattg tggttctcaa atatattgtg cggcattctt cggggcgcgt tagaaatggg 480
 aagtctaaaa gactcctctc caattgaccg catcgctagc gctaactaag aattaatata 540
 aggggcaaat gcaggattga agctcgtttt gttagcggca ttctgcgggg ggatgtcgca 600
 actgaaatgc gggattcgct tgtgaggtat gttggggggg gagggcctcc gtagtcaaat 660

<210> 22989
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22989

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ctacgagagc tggaacttca accgcaagtg tctgtggctg cgcgcggcga acgcaaacac  180
caatctggcc tacacacata ttcaactgggc gtttgtagag gtcgacccgt cggactggac  240
cgtgaagatt gctgatccgt acaatcaatg ggaagacttc aaggcactgg acgatgtgcg  300
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cttcatgggt agtcaccctc taccggagat tccctctggc aactgacgtc agacaggcca  780
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<210> 22990
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22990

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cagcatcagc ccaatgtcc tcgaatcccg acgctgtacc tgccccctctg tttgctgcca  180
aggagcaaaa ccaagcagcg gctgttgcta cagctgacgc cccccaccag gttaagcctt  240
  
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 cggatatatg ggccatctga cactaattgc ggaggaagtt gtcaaattca gcgagcgcca 720
 tcttcagag ctgctttcca cgactgtaat ggacaacgtg ctcaaccag agtggatcga 780
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<210> 22991
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 22991

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<210> 22992
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 22992

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<210> 22993

<211> 364

<212> DNA

<213> *Aspergillus nidulans*

<400> 22993

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catctatttg aaagccagca tgctgttctg gcaacgaact gcgtacacgc gacgcatagt 180
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ttgc 364

<210> 22994
 <211> 518
 <212> DNA
 <213> Aspergillus nidulans

<400> 22994

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<210> 22995
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 22995

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 ggataaagga aaactgctta ccaactacac ccaaaatata gacaatatcg aggccaacgc 180
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 gctatggatt gtgctgctaa ctteccacac agcctgtagc acatacgaac tttgatatcg 780
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<210> 22996
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 22996

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 aggccgagca accaatactg aaaacgctcc ctctagccgt ccagcaaaag cagatcgtag 180
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 caaaacagat ctgtccagac gtcgtcatca tccttgggga agatcttacc aaatttcgag 300
 atgcatctaa agacctctac ctcttctttc ggaggcttat ctggggtgag agagttgaaa 360
 gactgggggtt tgatgagata ttcatggatg ttaccgacat gattacctat aatgcagggt 420
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<210> 22997
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 22997

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 tgcccctact gacgtctccc ctaccgacac cgagaactcc gcctctcctt ctgagacccc 180
 ctgtgacacc atcacctccg agagcgtgac ctctacact gtttctgagt ctgcctccgt 240

tcccgctggc actgagactc ctgctgttcc caccgatgtt caccocactg agaaccccgc 300
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gccactgag acccctgctg ctcccagcga gacccttgc gagactatca cctccgacag 480
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gccactgag acccctgctg ctcccagcga gacccttgc gagactatca cctccgacag 720
cgtgacttcc tacactgtct ccagaccac ctccgtgcct gctatcccta ccgaagtctc 780
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cgttggcatc 850

<210> 22998
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 22998

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gaggcagcag ttaatggcta tgagttactg cttgacaagc tagtcaaaca gcccaattgg 180
gatctagttg taaacaagag gagtaaagga aagccgacgc cactttatga agcagcaaaa 240
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gataaatcag agagagtacc acttcacgaa gcagccgcca atgggcatga cgatgttggtg 360
cattttttac tcgagaatgg tgccaaagtc gacgaagggg acaaggcagg gagagtcctt 420
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taaagggccc agagagatag 500

<210> 22999
<211> 500
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 22999

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gcaacacgac aatgatgctg tagagaagca gactctcgag gaggaggaag aacatatcgc 180
attattgaag gatctggaga agcagcgaga tgacttgagg aaacgggtta aggagaaaga 240
cgaggctagc ggcgacctca agaagcatgt caacaagctg gaaagtgtta atcggacggt 300
acaaagcgaa aaggcaaaac gtgagagggt tctccagcaa aaggaggctg atcgcaagaa 360
acggaggaac gatcttttac gctggcaaga acaaatgccg cagatttctg cggatacggc 420
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tagagaaaag attgngaagg 500

<210> 23000
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23000
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gagttcgggtg cgcaggtaac agccaaagta ctactttcca cttcccagagt aacttctgat 180
gttccaggac acgaaactgt ggggtgtggct gcagcaatcg gttcgaaagt ggaaggggtc 240
tccgtaggag atcgagtggg ggcagacaac tccgagctat gcgagagtgc ttctactgtc 300
gccgaggagc tgagcttttc tgcgagaact ttatcgcgca cggggttatg ggcgaagggg 360
ggttcgccga atatgccgcc taccagcaa ggagagtgtt tcccataaag gtcactctcg 420
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ctaatagtca tctctaaaga 500

<210> 23001
<211> 655
<212> DNA
<213> *Aspergillus nidulans*

<400> 23001

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 ctctatcccc caatctcata tggacctgat gaggttggcc atgcacctgg cgccatgacg 180
 ccctcagatg tgtcctcgtc catctcaccg cccaacggcc agatcggcaa caacaagtac 240
 agcaccaga tctcgggtga ccacatcgca tccgccctca accaggaaga gcactctcgc 300
 cgggccgcag aggaggaccg cagacgccgc aatactgcag caagcgctcg attccgcatg 360
 aagaagaaac agcgcgagca gaccctggag cgcaccgttc gagaaacaac cgagaagaac 420
 gccagcctcg aagctcgagt tgcccagctc gagatggaga accgatgggt caagaacctc 480
 ttgaccgaga agcacgaagc ggcctccagc cggatgcctc cccccccagc aacagacgta 540
 tcgctgaatc atccaagtac caccgtcacc gggagcgggc aaaaacatat tcagccaaaa 600
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<210> 23002
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23002

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 cgtatgctca cataactcgc agattgacct gaagcgcgct attccacgtg atgagcagga 180
 gaagacaagt aagatcttcg ttggtggcgt cagtcaagag gctaccgagc aggatttcaa 240
 acaattcttt atgcaatttg gtcgtgtgat tgatgcgact ttgatgattg acaaggatac 300
 cgggcgccct cgtgggtttg gctttgtgac atttgatagt gaagccgccg tcgaagcagc 360
 tctttcgcgc cctctcgaga ttcttggtaa aactatcgag gtaaagaaag ctcagccaag 420
 gggtaacctc cgcgacgacg gagatcgtgg gcgtcgcggt agagacttta gggatggcag 480
 tcaaggtggc tcagatggtt cccagcagca agcaggggcc caggggcaag gtgtcatgcc 540
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 aatggctgga atgaatcctg ctcttatgca gcaaatgcag atgaagcaac tacaacagat 720

gcaaatggga aataatcagc agtcgccgag catgagtcct cctgctcaga gcccgaaccc 780
gcagtcaatg cagaatatga tgaaccctgc catgatgcag cagatgcaac agcaaatgcc 840
aatcaagga 850

<210> 23003
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23003
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cccgagagac acggggagca atactcaacc ggtgctttcc tcggcaaggg ggggtttgct 180
atgtgctatg aagggactct gttgcgcaac ggtcgtgtct ttgcaatgaa agtcgtaaag 240
tctgacatgg gccagaaaaa gatgcaagag aaggtacggt gtagatgaac atcgacttat 300
agatagaagg ctaatggttg tgcatagttt cgaacagagc tgcagataca ctcaaaaatg 360
cgtcaccctc acatagtcgg ctttcaccgg gcattcgttt acgaccagtg catatacgtg 420
atattagagt tatgtcccaa tggatcagtg atggacatgg tgcgaaaaag gaaatgcttg 480
agtttgccgg aagttcgacg attcatggtc caactctgcg gtgccgtaaa atacctccac 540
aagcggaatg ttgcgcatcg tgacttgaag atgggcaact tgttcttgga ccgcaacatg 600
gacatcaagg tcggagattt tggattggca gccatgatta tgcggaaaaa ggacgagaag 660
cggaggaaga cgttatgcgg aacacccaac tacattgcgc cagaagttct cgacagaagc 720
aagggaggcc atactcagaa agtggatatt tggtccttgg gagtgatctg gtaagactat 780
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agtgcacacg 850

<210> 23004
<211> 697
<212> DNA
<213> Aspergillus nidulans

<400> 23004
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gttattcgaa aactgggcca cgatctgctg ggaaagtatg tttccacagc ctgctctctc 180
tgctcccta acaaagcttt aggtctacgg gatacggatc tctccagatc tgggttcggg 240
atcttcgcaa agggattctg ttccaacct cttcaacct ctctataccc tgcgcagcat 300
gcaactggac cggcgcgggc tttacggttt ccgggggcta catttgggac gaggtttatg 360
aggaagcatt tgtccgtgac ctgatcgtg ttggaggagg cgatccggtg agatctcatt 420
ccatcctatt ttcgcggaata tgcattgatt tatttgtaag actatcagtg tcattggcgg 480
ctatattcag ggtggtggcc attcgccggc tactcacgac tttggccttg ccagtgaaca 540
ggtgctggaa gccaagtca tcctcgccaa tgggtcaata gtcgtagcca atccgtgcat 600
caaccccgat ctattcacag ccctccgggg cggaggtgga ggtacatatg gcgtagtcat 660
atccgttacc atcaaggcgc atccttccag accggtt 697

<210> 23005
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 23005

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acattcgcca gctagagtgt ctggacctca ttcgccgctg cgtatgccta agccgcgtct 180
ttccactggg gctgagagtt tatcatcccc aatcgatatc ccctcatcca atctaggcga 240
gttggtctct catcattatc gacatcacgc ccgtcaatcg tcaacgacat cctctgattt 300
gcccaggccg cctgtttcac ctcatTTAAC gactgcaagc caaccccaac cacgcccgtc 360
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tgtttatctg tccaagaaga agacgactgg ggagtactat gcgattaaag tgctcaaaaa 480
ggctgatatg gttgccaaga accaggtcac caatgttaaa gccgagcgag cgatcatgat 540
gtggcaaggg gaaagtgact tcgttgcgaa gctttactgg acgttctcca gtaaagacta 600
cctttacctg gtcattggagt atctcaatgg aggcgactgt gcttcacttg ttaagatcct 660
cgggtggcttg cctgaggatt ggacaaaaaa gtatattgcc gaagttgtct taggcgttga 720

gcatctccac agtcgaggca ttgtgcatcg cgacctcaaa cctgacaacc tactcattga 780
 ccaaaagggt catctgaagt tgacagattt tggctctgtct cgtatgggggt tagttgggtcg 840
 tcaaaagcgc 850

<210> 23006
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 23006

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 ccgcaaaggg ctctattactc tgcataaact tgccgatttc tgtcctcgcc ttgaagaatt 240
 ggacgtctca gagaatgata ttggtcagtt gggcggcggt ccatcaacac tgaggaactt 300
 gaaaatccag aataactgcc tctctaattc tacaccatgg ggacacttag gaaacctgca 360
 gtatctggat atttctggga acgaactgga gaacttggat gccntgggtg gtctcattca 420
 cctcaagaat tgatagcgga caacaataat atccggaacg gtgcaggagt ctccgggcta 480
 aaccgacttt tgactctgag 500

<210> 23007
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23007

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 ttggctacgg ccatagcgcg gacggattta aagtgggcta ccgggtctac atctcgggog 180
 ataccttgat gtttgatgag ctcaacgaga tcccgaagct atacggagag cataatattg 240
 acctcatgat aatccatcta ggtgctgcc tggtagcgtc accatcgcta gcaccattca 300
 ccctgatggg cacgatgaac gcaaaacagg gggtagagct gatgcagttg gttaagccgg 360

acatcactat tccagttcac ttcgatgact atgatatcat gtcggagtcg ctggaggact 420
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<210> 23008
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23008
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ccgcacctgt cgtatagcct ctatccttga gaaccgacat ccgctttccg atccttcaca 180
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cgggcgtctt gtcgctgagc ttggccatag ggtgactgtg caccgccgcc agttcaccca 480
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gaacctttac 850

<210> 23009
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23009
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atcggccata acccgacatc tgggctcaaa ggaccgctcc cgccagaccc atgatgtaca 180
cagctaccat gcccaactgcg gtagagcgca ttgctcgaaa gtacctccgg cgaccagcga 240
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ttaaacaatg gggcttttct tctgttacac tgcacggaag caaaacacag gaacagcgtg 480
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cggagcggga 850

<210> 23010
<211> 608
<212> DNA
<213> Aspergillus nidulans

<400> 23010
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aaagctggaa ggtggcggcc aactgggccg catagcagtc gcattgtccg ctctaacagg 180
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ggcatcga 608

<210> 23011
<211> 498
<212> DNA
<213> Aspergillus nidulans

<400> 23011

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ttgatcatgc ctacagacca caaaggcccc acccgtctta cgcagggtct ctaccgtatc 180
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gaggccgtta aggccgct 498

<210> 23012
<211> 626
<212> DNA
<213> Aspergillus nidulans

<400> 23012

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gctaagacgt tcggtccgat taaagcggc accaatgtgc gaacagtaac attcatggat 180
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tcctgtgctc tgcagcggta tcgcaagaac ccgtcgtgtg ccgcctgcgg agccgggacc 540
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<210> 23013
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23013

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 gcgccgaagt tgaacacctt tgttcttgat gaggctgatc gcttgctcga tgaaggcttt 180
 gctcccgagc ttatggagat tcaacatcgg ctcccgatc ccgcagaggt tgatcgccag 240
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 gttccgcaaa aggcagtgat tctgcaaggc ctcgagaatg ctatgccaac attgctagag 420
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 tcaaccgacg tcaccgcccg tggatatgat ttcccaaag tcacacacgt tattcaaatt 720
 ggtgtacca agacccgcga ggactacatc catcgtcttg gccgaacagc ccgtgcaggt 780
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 ctcagagata 850

<210> 23014
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23014

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cgcctttgcc ggcgactcga acggtacgaa gatggatatt gtcttcttca aagaagcacg 420
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atcccccttc acgatggagg tccggcgacg ggtgtggtgg acgctcttca tctttgtctc 660
ggcggtccag ttgatcctgg gcggtccggc agtctcactc gtcggggtaa atgttcggct 720
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<210> 23015
<211> 546
<212> DNA
<213> Aspergillus nidulans

<400> 23015
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546

<210> 23016
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23016

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<210> 23017
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23017

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<210> 23018
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 <212> DNA
 <213> Aspergillus nidulans

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<210> 23019
 <211> 557
 <212> DNA

<213> Aspergillus nidulans

<400> 23019

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<210> 23020

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 23020

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<210> 23021
<211> 625
<212> DNA
<213> Aspergillus nidulans

<400> 23021

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<210> 23022
<211> 827
<212> DNA
<213> Aspergillus nidulans

<400> 23022

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<210> 23023
 <211> 661
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23023

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<210> 23024

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23024

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 <211> 423
 <212> DNA
 <213> Aspergillus nidulans

<400> 23025

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<210> 23026
<211> 711
<212> DNA
<213> Aspergillus nidulans

<400> 23026

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<212> DNA
<213> Aspergillus nidulans

<400> 23027

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<210> 23028
 <211> 765
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23028

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<210> 23029
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23029

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<210> 23030

<211> 636

<212> DNA

<213> *Aspergillus nidulans*

<400> 23030

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<210> 23031
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23031

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<400> 23032

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<210> 23033
 <211> 533
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23033

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 cgttttcttc acgtaccgct tagagttgat aagggtgcgg ctagcgttcg agaccaagaa 480
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<210> 23034
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23034

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 taccgctgca tttcctctca atggcaaatt cctaccagaa acccgccaga tctatgaaat 240

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 cggctccgag gacgagttat tcgacaagcg aatcagcgtg gcttttttcc cgcacggcct 420
 gggccattac cttggaatgg acacacatga taccggcggc aaccggaact acgaagacac 480
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 cccgtgcaga tctacttctg ccgtttcatt attgaaccat tcctcaagaa ccctgatctg 660
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<210> 23035
 <211> 494
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23035

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 tgaacatgac tagtggccca aagaaaaccc agagagtggg tgaacttaaa gagagcattc 180
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 agtcaagtat tgacaggact aattctccag taggtagtct gtcaccgact gcaggagagg 360
 gtgaagcgcc ggtgtctcaa ttactccggc aaccctcgcc catgctctct agcgacgaag 420
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 gcgaactacc agaa 494

<210> 23036
 <211> 612
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23036

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gcattgagcg cagacataaa cgaggctgta tccggtacga caaatccagc cataaccct 120
ctgccctctt caacatcatt cgggacatct accgggaccg agccatcttc ctgcgaagcc 180
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acgaccaata ttataactga tactacgagc actagtacag atacaagcag cgagaccgca 480
gaacctacga cgccctcatc cacagcacca cctacgtcta ccagtgagcc gacatccaca 540
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<210> 23037

<211> 701

<212> DNA

<213> *Aspergillus nidulans*

<400> 23037

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aagtctgccc ctgatttctc gacacagggc ggcatctggg ttgagctaga ccctgctcag 180
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aacaacgctg gatatgcatt tattggcggt gtcgaggata ctaggttagt gcggttgctc 300
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aatcagatg gaagtcaact tttatggccc tctgcgagct atccgagcct gcctgccggc 420
tttgcggggc agaggctctg gccacgtcat ccttgtttagc agtggcgagc ggtatgtcca 480
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gcttcatggc ccgccagga agagggactt actccgccag taaatttgcc atagaggcta 600
tgcacgaatc gctttcctac gaggtcaaag aacttggat caaagtcctc atagtcgagc 660

ctggagcatt tcgtacaccc ttgcgagcc gagtgtcac t

701

<210> 23038
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23038

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aaaaaatggt gaggtttcag ttgaacaggc tgagggatca gcacggcgcc ttttacatct 180
tctacagaga gcagagcgat tcgaggacgc atccgatgtg gctgaggtct gtttgaacaa 240
gccagagcat gcaagaagct ccgacatgct gctagatccg gccttgtgct tctcaaaaat 300
gagaaccagg cattaccgct ccgaccacta aaccaccaa aaaagctggc tatcgttggg 360
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tgggcttctg ttcttgagtc tctcaaggct gagtttggtc ctcgaggaac agattgtcca 480
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tccggacact ggtgttggag gaggtgtagt cgattggttt gacgggcatg ataccactca 600
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aacaagctgc agcgacgata tctactacat ctgtacggt gacatcccg ccgaaagcgg 720
gtgacgaact acagcttccg agtccgcacc actcttacgc cacagacatc tggcagacac 780
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tcggagtccg 850

<210> 23039
<211> 389
<212> DNA
<213> Aspergillus nidulans

<400> 23039

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ctctgcttcc cccggacctg acaagtatcc ttattccctc ttccagtagc ggcgcaactt 120
ccgttccagt cattcctcag gttccacact caagtgttgc ggccaccccc actccgtcgg 180

taggcattctc tgttccttca agtcctccg tttccgtgca gccggcccct accacaacta 240
gcacggctag ctcggaagac tccaccacta cggtcgggac aacaactacc accaccgttg 300
aggctgagcc taccgattgg gtgccgacca gcattatcat cgagcctagc cccactgaaa 360
ctgagacgtc cagcgaagag accacaacc 389

<210> 23040
<211> 502
<212> DNA
<213> Aspergillus nidulans

<400> 23040

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ctttggcagt ctgcgagtgc tgaatgaaga ccgcgttgcc gcgaggaatg gctttccgac 180
acacccgcac cgcgatgctg agatcttcag ctacatcctc tccggcgagc tgacgcaccg 240
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gaggggagac gtgcagttca ccactggcgg aacggggatt gtcattctg agcagaatga 360
gagttcgaag cccgtgcact ttttgcagat ttgggcgctg ccgtggaagt atggggtcaa 420
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tctctcgccg ctcaaggcgg gt 502

<210> 23041
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23041

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tcgcatcggc gtttaaggca agcaaggctc ggctgccgat tgccgaagtc ctgaacgagg 180
agacgctgta ctgcacatac aacagcccca gtgagccac agttgaggca ttgcggatgt 240
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cggactcgaa ggacctggat gaatgaaaga ggttgtttgg taaggcgcct gccgctaaat 360

caacggtatg agtacgggat gcttatcgat gcctgcaagg ccaagttatc tccgacggcc 420
 aggtccgcgc tcttctagg gctcttgat cgaatcttgt tgccaacggc gtcgacctcg 480
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 tatactttat ccgacattca tgttaatgtt gcagcttctc tatctgctac ggcccaactc 660
 cacctgaaag aaatttgatg gaagactgga taaaaaaacc tcgttgcggt tgtgaatgat 720
 gacgcgagat ttgcttttgg gacaaagact gttcaacaga tgaaggttat ttcgccagag 780
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 tgctcagtac 850

<210> 23042
 <211> 504
 <212> DNA
 <213> Aspergillus nidulans

<400> 23042
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 ctcatgggcc tgacaccgog ggttacacag cttgaatatt tgcggtgca ttatacttg 180
 tgccaatagt tgggtgctata attgaaggac aagtcactac tcttctccat gatgtttctc 240
 ataacaccct taataatgtc attgatcacg ccctctctaa gccagaaaaa ggaagttatc 300
 acaagggtgta caagatacag tatcttaaga caacacagct accagacatc cttaccaggt 360
 atagaattta ttagatatatt caaagaaaaa ctgttcatat tagtagagat gctatcacgt 420
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<210> 23043
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23043
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 gtatgcgcca gagctgtcgg agccgaagtg gcgagccaca ctctctgggt tgctgcaatg 180
 gatgcttagt tggggatttc tgggtggcgca atggctggga tatggatggt cgttttctac 240
 caacgagttt tcatgtataa accccctct gtgcggccaa cagattcact gactgagcct 300
 agggcggttc ccgcttgctt tccagaatgt gcccggcctg atcctcattg ccggtatatg 360
 gtttctggac gagtcgcccc gttggttgat ggaaaaggac aggcattgagg aagcaaaggc 420
 agttctcact cggattcgga agggcgcgtc tgcagacact gtcgagctgg aattccgcga 480
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 ggcccttctc 850

<210> 23044
 <211> 611
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23044

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 gattggactt cttctagtgg ctctcatca gaatcagaca tcacggactc ggaaagcgat 180
 gatactgcct cttccagttt acctgaatcc ggggaatctg gaaattttga gctatcttca 240
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 agtgcaaaat ccgggggtatt gcccaaagga aattcgactg aagcaacttc gcagcaggga 360
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 gatacggagc ctccagttca gtttagtttc tttgggcaag gagatgcaga ttcagacgca 480
 ggtttcgagg aagagctgtc atcaaatgta gcaccctta ctccatttac caaaagggat 540

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atcatcaact g 611

<210> 23045
<211> 578
<212> DNA
<213> *Aspergillus nidulans*

<400> 23045

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tgccagcaat aaataatacc tagtagcaac tacgtataat atttattatt ttaactcatc 120
ggacgtacac tcgagtccaa gggaacttta ccatttcata ctcttccctc ctttcgagct 180
ctggtgcctg ggcgctaaat cgagactggg cagcagctgg cggctgtctg accatagcac 240
agcgcgcctc cataaaacga ctcaacgcac cagtggtcag tttgatatat ctgcacttaa 300
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tcatgggchg ggggtgatta ttacaatgct ctccaggcta ctgcatacga aggccatcaa 420
gaggttgtag aactgctcct ggacaaggga gcagatatca acgcgcgggg cggaatat 480
cgcaaggctc ttcaggctgc ctggttcgga agtcgtcaga agattgtgca gctgcgcctg 540
gataatggag cagactctca cgggtcaatgt gacttgtg 578

<210> 23046
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23046

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cttcaccaat tgagcggcat tcagttcatg tggcgagaac tggtcgagga caagagccaa 180
gaaggctgcc tgttggccca cacgatggga ctggggaaaa caatgcaggt gtaagttcct 240
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cccattatcc ttaattgaga attggcgtga tgagatcggt atgtggacgc cccaggatgt 480
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 cagccttggc ttttaaaggg cccaacttat cacttgtttc aaagttatta aatgaaaatt 720
 ccgactcccg gacttttagg tggaatgtca tttcgttcca aaaaccgatt gcggtgactt 780
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 aagttcctcc 850

<210> 23047
 <211> 810
 <212> DNA
 <213> Aspergillus nidulans

<400> 23047

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 attgccggag gctgggtttt cggcattgca tatatcctgt cgagctttgg gcaggcacta 180
 tggcattttg cgttgacgca gggagtcctc cttgggtattg gtacatgtct ggcatatgtg 240
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 gcggctaact tcattactct gaacaacgcg tctaatttcg tgcgcgcgat cggcatcggc 720
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 gtggcgtct tcgccttttg gattccatcc 810

<210> 23048

<211> 527
 <212> DNA
 <213> Aspergillus nidulans

<400> 23048

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 gggaaagagg actttttcct agtaactatg ttgagctcct tgaagatggt cgtcagagcc 180
 gcgccgagtc cgatacccg gctgctgatg cccatgaatc tgaggcacta gccgatccta 240
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<210> 23049
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23049

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 ggtttgacta ttcatttcgc agccctgttc tcggaaaaag cagatgcggt tcctattgta 180
 ctgcttcatg gatggcctgg taagacattt tgagtatcac ccagaggcat aatctcactc 240
 ccaagacagg gagctatttc gagtttcttc cgctgcttca acttttcaag gacgagtact 300
 ctcccagtac tctgccgtat catctgatcg tgccttact acctggatac accttttcat 360
 ccggcccgcc acttgataga gactttaaga atgccgattc agcccgatt gtcgataaac 420
 tgatgagagg tctcggtttt tccggcggt atgtatctca aggaggcgac attggaagca 480
 ccgttgctcg gatattagct 500

<210> 23050
 <211> 440
 <212> DNA

<213> Aspergillus nidulans

<400> 23050

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tgatcgagag tggcatcagt aatgcagcca aagttgctcg acttatccct cgccatatag 180
catgggctgt gacaggaacg ccgcttcgga aagatgtcac cgatttgctc ggactactgc 240
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tcaagccagt tctggctcgc atcgtaata ctatcactct aagacacagc aaaaatttta 360
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<210> 23051

<211> 571

<212> DNA

<213> Aspergillus nidulans

<400> 23051

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ggaccgggat cgaggcaggg aaagggaccg ttctagagat agggacaggt ccagagatag 180
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ggagagactt acagaaaagg acaaagattg cgaccatgac cgcgagagag accgagaacg 480
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<210> 23052

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 23052

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gccggcctgg ggaaccgttt tcgcaaaagt caaaactaca gggccacttc cttacgcaca 180
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cgaagccatc gcggcgagaa gccatacaaa tgtacagtat gtggcaagtc atttacagac 360
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<210> 23053

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23053

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gtcctccaga aaatactctc taaactatta tagaaaggct ttatctgcat aagctattcc 180
ccagctatag cccagctact ctttatataa aaaccaggag gaggactaca gttctgtatt 240
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<210> 23054
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<212> DNA
<213> Aspergillus nidulans

<400> 23054

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tataatgtgc ctctacaac cctacgtgat cggatgaagg gccacctatc tcaaccagaa 180
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<210> 23055
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<212> DNA
<213> Aspergillus nidulans

<400> 23055

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<210> 23056
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23057

<211> 642
 <212> DNA
 <213> Aspergillus nidulans

<400> 23057

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 ccggagcaaa gatcaatgca cagctgctga atgggatttc gccctgcat ctggcgcgcg 600
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<210> 23058
 <211> 325
 <212> DNA
 <213> Aspergillus nidulans

<400> 23058

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 aacaagcccc ctcgaaaacg gttcacgac gctgatatcc cgggtttgat caaaggcgcc 180
 catttgatc gtggcttggg cttgggattt ctgcggcaca ttgagcgggc agggatcctg 240
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 gagctcggga aatacgaaga gctgc 325

<210> 23059
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23059

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attatctctg atcagatggg atggagcgag ttgtctgcat ctctcatgca aaagttccca 180

ttgtgaaaat ctgggatcca gaactacgcc tagcatgcga catgaacgtc aacaatacga 240

tggcgctgga aaatacacga atggtaacgga catatgtgga gatcgatgaa cgagtacggc 300

cgttggcaat gatcatcaag cattggacaa aacgcaggat acttaacgac gctgggtatgt 360

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<210> 23060

<211> 717

<212> DNA

<213> *Aspergillus nidulans*

<400> 23060

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gggcaaccgc aacgcaccga caccctcgac agccaggact ctaccaacat caccctagt 180

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caaagttccc aacggctgac ctgggccag gaggcacag ctgccacaag cccgacgcct 300

ttagccagcc cgagttctgc attgggcgcc agcaaaagcc agaaattccc aaatccggcc 360

cgaaagcctc ctctgcacc gttgaattta gggcaccgg accgcacgac gacactgcgc 420

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<210> 23061
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23061

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 cgacagagaa gcagggaaag cggcccgtag cataactctgg gaacgggacc catgccgtat 480
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<210> 23062
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23062

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gccatcctcc tctcacacta taccggcaca caggatatca ttttcggtgc tatcaacagt 180

ggccgaacga cggatgtgcc tggggcaagt cggatgactg gccctactat caacttagtc 240

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aatctaagtc atcagtttga ggcagtcgtc aaacagctga cagatgccgc aagccaggcc 660

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aagttaactc caagtccaga agagacttgt cttcatcctc ttttcgcctg gcaggtctcc 780

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<210> 23063

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23063

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<210> 23064
<211> 542
<212> DNA
<213> Aspergillus nidulans

<400> 23064

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<210> 23065
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23065

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<210> 23066
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 <212> DNA
 <213> Aspergillus nidulans
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<210> 23067
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23067

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<210> 23068
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23069

<211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23069

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<210> 23070
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 <213> Aspergillus nidulans

<400> 23070

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<210> 23071
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 <212> DNA

<213> Aspergillus nidulans

<400> 23071

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tttgcgacgc ggtccagcgg atagaaggag aacttggacc atgtgtcttg ttagaggctg 780
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<210> 23072

<211> 721

<212> DNA

<213> Aspergillus nidulans

<400> 23072

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<210> 23073
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23073

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<210> 23074
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 23074

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gcatcttctt tactacggct gcatcttctt tctcgacatc ttttctttt cggctatcta 780
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<210> 23075

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 23075

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<210> 23076
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23076
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<210> 23077
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23077
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<210> 23078
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23078

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<210> 23079
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 23079

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 cttcgtccgc acgacaattt tgggtggaatg ctttcttggg agaaactgaa ngcatttgcc 780
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<210> 23080
 <211> 674

<212> DNA
 <213> Aspergillus nidulans
 <400> 23080

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<210> 23081
 <211> 549
 <212> DNA
 <213> Aspergillus nidulans
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549

<210> 23082
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23082

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<211> 619
<212> DNA
<213> Aspergillus nidulans

<400> 23083

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gatgccgagc agaaggtttc tatgctcctg gaccaggttg aggcttcagt tgggcactac 600
cggcgacagt cgcagcacg 619

<210> 23084
<211> 658
<212> DNA
<213> *Aspergillus nidulans*

<400> 23084

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<210> 23085
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23085

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<210> 23086
 <211> 578
 <212> DNA
 <213> Aspergillus nidulans

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<210> 23087
 <211> 550
 <212> DNA
 <213> Aspergillus nidulans

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<210> 23088
 <211> 650
 <212> DNA
 <213> Aspergillus nidulans

<400> 23088

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<210> 23089
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23089

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 gacggcgaga ttgagcaggt acattcaaaa tctttcagat gccctcgttg tggtaggtac 780
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<210> 23090
 <211> 786
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23090

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<210> 23091
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23091

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<210> 23092
<211> 812
<212> DNA
<213> Aspergillus nidulans

<400> 23092

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<210> 23093
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23093

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<210> 23094
 <211> 661
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23094
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<210> 23095
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23095
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<210> 23096
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23096

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<210> 23097
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 23097

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<210> 23098
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23098

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<210> 23099
<211> 680
<212> DNA
<213> *Aspergillus nidulans*

<400> 23099
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<210> 23100
<211> 728

<212> DNA
 <213> Aspergillus nidulans

<400> 23100

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<210> 23101
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23101

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taaaagattc agtgaagggg gctttcaaag cgctgaagag gctatcaagc atggtaatta  180
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gacaagaagt ccaataagga agaagagacc tctgaagcct cggatgccct cgttgaaatt  420
cttttgagtt ttgcctcgaa gcagtctcag cttttccgtc gtatgagtga gcaggctttt  480
  
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 aagaaagtct ggcaggccaa caagagatgt tcgaccagca agacgacgaa gacgctgagg 660
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<210> 23102
 <211> 528
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23102
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<210> 23103
 <211> 423
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23103
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<210> 23104
<211> 644
<212> DNA
<213> *Aspergillus nidulans*

<400> 23104

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<210> 23105
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23105

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cctgcggagg agggacaaga ggacattgcc gacaaatata cttgttctcg ctgatacgtt 180

ttgttgctag tctgaataaa agcgaatgga aatatatggt ctttggactt tctctctcgg 240
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<210> 23106
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23106

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<210> 23107
 <211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 23107

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gccaatatca acgaacttgt tggcgaaggt gacgacagag acctcgagac gcttgatggg 180
tatgaggatc tcccggctga gcttcaggag aagggttgcaa gggctttgga tcagggtcat 240
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gccctcatcg ccatgagggga attcgcaaag tagctgacac acttacagga agagaaagat 480
gacgccgctg aagagcagaa gactccggca aagaaaacaa aaaaagcaaa gaaggctgaa 540
catgcagacg atgtacatat acttttcttg gacatgagcg aaccagatga cactgaccag 600
ttcgtttaca ggaagagaat gacgacgcaa ccaaagagaa gaagtcccc agctccaagt 660
ctaagaagcg cagccgctg caagttgacg ataacaacca cgatgcaggg gccgcttcgc 720
ccaagaggtc caagaggacc ccaacgagga ttccgaagca agttcctgcc atttcgtctc 780
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<210> 23108
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23108

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aaccgcactc aaccattctg gccgatatct tgaatctacc acaccagat tcgttttttg 120
attttgccat ttcaattgct gttgtgcac acctgtccac cccggaacga agggccaag 180
caattcgtga aattctgcgc actctgaaac cggcatcagg cgatacccca ggaggtaggg 240
ctttggtcta cgtctgggct ctcgagcaaa agaatagccg cagaggggtg gataagggag 300
acgaccaaga tatcatggtc ccctgggttc tgaagactcc caactccgat aatacatctg 360

acaccaacc gaaagtattc catcgatatt atcatcttta tcaggccgag gaattggagc 420
 gggacgttga aagtgcgggc ggccgtgtgc tggagtccgg atacgacaga gacaactggc 480
 gggcgatcgc gactcgagta 500

<210> 23109
 <211> 745
 <212> DNA
 <213> Aspergillus nidulans

<400> 23109

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 ctctcttatt aatctcggaa gctttaatga acaatacga gagggcgatt ggcgcgagc 180
 caagatttac ggtctgcctg ggcttcctc tgccaagcct cgctattcga tcaagcaatc 240
 tggatgatagg cgtttaagct tttcccaacg gcctgggtgtg cgcgatgacac cgtcagtctt 300
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 gagtctcggc ggcatcgggg ttcccaagtc cgggtgtttg catcagatga aaacggcagc 420
 tcgcagcccc cctgtggcga aggaggtgac cttgctaaag gtcagcacgc cggtttcaat 480
 ggatcgtgcg ttgcaaccag ccctcttttc ggccctaaaa cagtatttcg agtcgaagcg 540
 gcgactccta aaaagtggcg atctacttgg aatcagcatc gatgaaacc tcggtagggc 600
 tgtttttgcg gggactgggt ccgatgggtca ggacgatgac attacaacca aactagggcc 660
 tgggcttgac actaaccgag ctggggccgaa gaaaatcggc gttgcttggc tccgtgtcgg 720
 tcaagtcatt cctagcttgc ccgag 745

<210> 23110
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23110

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 aactgccgcg ttcaagtcct ccctgtgtaa gtcttgactt cattgtctat ttgaagtttc 180

tttgtgctaa tccttttagg tgctggagac acttactaga atttctcat aaaaaggccg 240
 gccaaaatcg tacagagctc gacctggcag atatggacat gctcgatgat gatgtctacc 300
 ctactctgtc cgacatcact cttgaaagtg ttcccgccgt ccggaatctc atttctgacc 360
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 ggaatgaatg caatcgaatc gtcgagcttt acaggaagcg aaacccttct ttcaacggca 480
 cagtgagcct ttgtgggcac tccctcgga gtgcgattct attcgatatt ctctgttcgg 540
 gggacacagg gccaaagatg gagaatattc atgatgaagc tggtagagct tcattaacat 600
 ttgagtgcga ggaattcttc tgtctagggt ctccagtagc tctatttgag atgctcaaag 660
 gtaagaccat tgctgggcgg tcttctcaac ggggtgggag tactagggac cttgccgcgg 720
 ccagcgtggg gtccaggctc aaaagtcccc ctgcaacttt aggcacaggg actgcgggta 780
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 gccgagcgta 850

<210> 23111
 <211> 670
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23111

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 tagcgagaaa gagcaggcgc tcatggaccg ccgtgatgag aaatccgcct cgtaacaga 180
 gatgattcag gggatccgac agatcaaatt cagcgccctg gaagccgaat ggtacgagaa 240
 aatcctgaag ctgcgaacca aggagttaga cgaacaaaga gcagtcttct ggctgaacat 300
 ttccctcaat ggaatgtaca cccttggtcc gattttcatg agctgtttct caattaccgc 360
 ttatgtgtac ttgaatggga gtatttcgcc atctatcgcg ttacagcat tgtcactttt 420
 tgagactctc cagaacacia tctgtatgct tctgaagtc atcactcagt ttctagatgc 480
 aagggtcagt cttggaagag ttgcaaagtt cttgggggtg gaagagcacg cggatggcag 540
 gagtcttgga aatggggacg ggatatcgct tcaaaacacg acaattgcct gccgtctagc 600
 ggcgtggaag ctgaggacga ggttcgattt cagctaaagg accttaacct ctatttcctt 660

gcgcatggac

670

<210> 23112
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23112

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actcttggat gtctacgccg atgcattcaa gataaccac aatcccgagt ttcttgggtgc 120
agtatacgat ctgataacgt atcttacatc cgccccaatc cagtcgacga ctggcggttt 180
ccactcgtcc gaggatgccg acagtctacc aaccccaaat gatacagaga agcgggaggg 240
cgctttctac gtctggactc tgaaggagct gactcaggtt ctggggccac gagatgccgg 300
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gcatgacgag tttatggacc agaatgtcct ttccattaag gtcacaccga gcaagttggc 420
taaggagttc ggtttaggag aggatgaggt agtgcaatt atcaaatcag gtaggcaaag 480
gttacgcgag tatagggata aaaatcgcgt acggccagac cttgacgaca aaatcattgt 540
agcgtggaac ggattggcga ttggcgcttt ggccaagtgc agtgttttgt ttgaagaaat 600
cgatagttca aaatcagccc aatgcaggga ggcgggcgcc aaggcaatca acttcatcaa 660
ggagactcta tatgacaaag ccacaggtca gctctggcggt atttaccgag acggaagcaa 720
aggaacaact ccaggattcg cagaagacta tgcttttctg actagcggtc tgctggatat 780
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gccctctcat 850

<210> 23113
<211> 642
<212> DNA
<213> Aspergillus nidulans

<400> 23113

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gacctcccaa tgcgtacttc cgtgggtcat ggggcttcat ttccgggatt gttctgggtgc 120
ccctctggat aaatgtgtta agtgcggtga gttcggagcc cgggtgtttct cgggcgatcg 180

gggcggttcaa agctctgaga gcgctaaggc tgcttaactt cagtgatagc gccaagaata 240
 cattccactc cgtcataatc gttggaggat ggaaagtat tgctgtgagt ttttcgccaa 300
 tttcccaact ttcctgtac taactgctct caggctgcct tggtttcgat gagttttctg 360
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 gacgggatag cgggaagctt ggacgcttgt gttggcgagt ttatgagctc accgtttaat 480
 tgggacgttc tcgccccctcg ggctgtgtcg aatccttggc acgacttcga taatttcggg 540
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<210> 23114
 <211> 561
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 23114

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 gcgtacaagt tgaaacatga gcggccgctc agttttgtcg attttactat ctatgagaag 120
 aatcctgaag ttggaggaaac gtggtatgag aatggtttacc cgggggtggg atggtaggcg 180
 ttctccact actgcatggg ataagtgtg atagacatga cgcagtgaca tccccattcg 240
 tgcggtctctc caattcccg tctttacttc gatttttatt ctattcctta tatataatta 300
 tgttttaagc atttatgcac atgcctatcg cgtcgctaata tgtgaaacct acctacatct 360
 tctacttcaa cccgaacccc gactggcggt ggtgctacgc caagggcccg gagatccagc 420
 agtacattct ggacacggca gaaaggatcc gactcgaggg agaggattca gtttatgacg 480
 aaagtcatca agctaactctg gaacgataag gagggcaaata gggacctgag gttgcagcgn 540
 gtaatggagg tgtcccagga t 561

<210> 23115
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23115

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ggagaaacca acacctggaa ctccggttgc tctcgacacc gagtttgtcg acctcgaaaa 180
ggctgaaata aacgtcaaag ccgacggctc gcaggaaatc gtgcggccga gcaagagcgg 240
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tgattatata tctgttaaag agcccattgt tgactatgta acgcaatatt ctggcatcaa 360
accaggtgat ttggatccgc ggaccaggcc acacaacatt gggccactta aggttgcata 420
cataaagctg tggttactgc tcagcctagg ctgcgtgttc gctggtcatg ggttggcatc 480
ggactttcga caagtcgata tgcaagtccc taggaagcaa actgtggata cacaatactt 540
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taaagaatac atacaagaag aaccagccga cagcaaccag ggccatgact caatcgagga 660
cgcacgcatg gctctgcgcc tatggaagaa gttccaagag tacgaggacg ccggtattgt 720
gggacaaatc ctggaagaaa tcttccgcga gggctcaaaa ttgggattcc gaccgccgcc 780
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cagcggccgc 850

<210> 23116
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 23116

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ccaggatctc taggaacctc accgtcacgc cgggtgtttt gttgcccgcg gtggttaagga 180
agatttgctc gtcaccaaga acttgactcc tggcgaggcc gtctatggtg agaagcgcac 240
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aacccttccg tagtaagctg gctgccggtg ttctttgtgg tgtgggatga aatctacatg 360
cccccttggg ttcaaggctg tctaccttgg ttccgccagc ggtacatccg tcagtcacgt 420
cgctgatata gttggaccga ccggaacgt ctacgctgtc gaattctccc accgttctgg 480

ccgtgacctg atcggcattg ctactcacgg caccaatgtc atccccattg ttgaggacgc 540
ccgtcaccct ctgcgctacc gtatgctcgt ccccatgggc gacgttatct tcgccgacgt 600
tgcccagcct gaccaggccc gtattgtcgg cctgaacgcc cacatgttcc tcaagtctgg 660
cgggtggtgtc atcatctccg tcaaggccag ctgtatcgac agcacagcca agcctgaggt 720
tgtgttcgcc cgcgagggtcc agaagatgag agatgagaag atcaagccca aggagcagct 780
gactttggag cccttcgagc gagaccactg tatcgtctcc ggtatctaca atcgttcgtc 840
gtaaaagcca 850

<210> 23117
<211> 709
<212> DNA
<213> Aspergillus nidulans

<400> 23117
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tttccatgta tccccaggaa tacataccgt tttccccagg caacgatact gacggcgatg 120
caccgaagtg cgaggactgt tgggtccatt taggcttcat gaacgcatgg cgtttaacct 180
gcgcaacaat cctagacacc atctccgcag caagagacca ataccctgat tacgctctaa 240
ccctagtagg ccactctctc ggccggcgag ttgccgctct cgcaggaaca gaaatgcagc 300
tccgcggatg ggaaccctgc gtgacgactt tcggggaacc aagggtaggg aataaggcgt 360
ttgtcgacta tctagacacc gagttccgcc tggaatcagg caatgagcgg gtgtggaaat 420
ttcgtcggga gacgcatgag attgaccctg taccataat tcctttttca gaatggggct 480
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gatgttaggt tctgtcaggg cgggtccgat ccaaactgca ttaagactc tgaggggaag 600
tgtacaacat tttcccaaaa tagctattag gggtttgatc ttttcgaatc caacatgtag 660
aagtaagttc ttttgagcac gctgtaccaa tcgaggatca ccaacaggt 709

<210> 23118
<211> 327
<212> DNA
<213> Aspergillus nidulans

<400> 23118

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 tgtatagtgg cagcgaggac gggaaggtat acgtgtggaa tctagacgct accttggcgg 180
 gaacagttga tgttcagaaa gcgacacact tttcccgtcc tcgcagtcgt cgttttcaag 240
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 gctggcatcc caatgctcca gttctgg 327

<210> 23119
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23119
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 aactacaaga gtgccgcata cgttttctcc agcgaggatg aatctgagtc tgattcgaag 120
 cctgaagaga agaccaaacc caattcccag ctcaaactgt caacatccga ccatggctcc 180
 aaggaacatg ctagtggga agcctcagaa gcagcaagct ctgacaaatc aggtgacaca 240
 tctcatcag aagaagagag cgacagcgaa gaggtcgact ctcggatgt cccgtctgta 300
 tctaaacaaa agcgtgcaaa gagccctact agaaggctcg ggacaccaga cgataaacga 360
 gtgaaattga aaaaggaatc tagccctact ccatccgctg tttcgtctca ggagagcagc 420
 agtggaagcg agagcgagag cgaaaacgat agtgatgacg agtcgtcgcg gagcagcagc 480
 agcgagtctg attctggctc 500

<210> 23120
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23120
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 cttgaagagg gcgtggcagc attggcgctg cagacattcg aagaaatctg gcttactccg 180
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 gagttccagc aggcctttact gcaaacgatg acagtatttg ccaaagtga ccccaaatta 480
 cttegtccag accaggtgga tgccctccat ccttacatag ggaaccttgc cacggcagaa 540
 gatctgtttt tattecgctc tgaggtgatc atctaccgat gtgttctacc atacctatca 600
 aactctcata atacgctctt gaaagatgtc caaatgacc ttttcaagag cgtggccaaa 660
 ctggcacggg cagagctcaa cgaggtcatg gcttgtctgt ggactatcaa cggcgtcttg 720
 cgaaatacgg accgtcttgt gaagcttacg atctccgttc tgaaacccat acagcagtac 780
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 ttataattc 850

<210> 23121
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23121

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 atccagggca taggtggagg tggatatctat gggctggtca atgtgagtta tctgccagag 180
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 gggtagcgtc tgccctcttc tcgcatctc ctggggcggc aatagcttcc cctggaactc 600
 ctcccaagtc atcggtgtt ttatcgggcg tttcgcgctc ctccaggcct ttgcgatctg 660
 ggagcactac gccaaagatc ccctcatgcc gcccgctttt ttccgcaacc gtgccatcgt 720

ggccattcta tttgccgagt tcttctacgg ggctaacctc ctcggaatga tgtactacgt 780
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 cccgatgatg 850

<210> 23122
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23122

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 aggaccagca ccactgggct tcaggtcacc ctctcccagg ttgacaacac tcgcatcaag 180
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 gatgcctctc ctgtcaagaa agtctctctc ttccgcgaca gtatgctcca tcccatcctt 300
 tcttctgca gtaagctaaa gcatattgac aatttgaga cgatgaggtc aagttcgagg 360
 gtatcaagta tcgctgcaa agcagcaacc tctctgacaa ggtcctgact tcgcttgccc 420
 tgggtgatcc ttccaggatg aattcgacat tgccaccact gccgacctct cttctggcga 480
 cccattacca tccgctccca 500

<210> 23123
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23123

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 ccctcattca aaatattcat cagcaatcat gccagtacgt cgcaacccaa taagatccac 120
 actcatcaat actaacaag tgctttttt tctcagctca tagttttaac ggctaccctg 180
 ctccggcctc agctaccgc ccaacaactt gcaacgcgcc ttgaagaaat ccaacccaac 240
 tagtcgcaa cgcgataatc cctccttcca aatcgaaata caagatccac attgtctcaa 300
 cgcacgataa tgtcaactac ccgcgacag tatacgacac cgcgcgcaca gagaaggagg 360
 cgcgcggagt tgcatatata aaggctaaac gcatgttggg aagagatagt tttgtgattc 420

tagatggaat gaactatatc aaggggtacc gataccaact ttggtgtgag gcaaaggcgt 480
 tgggtacaac gtgctgtgtt 500

<210> 23124
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23124

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 acccgaactg ccatttcttt gttcctctgg gtaacaaaga atggtttgac aaaaccggca 180
 taccgaatgc aacagaactc gactgggtggg atgaacgcga tatactgctt tctccaacaa 240
 agtctgccac tcaggtagac ccagctgatg gaaatactga ctcaaagctg gcggacatca 300
 ccgctcgaat tggctgcttg ccttgccagc atttcagtgc ccgaacaccg tttgaccgat 360
 gcaaaacact ctgggcctcg tggtaacttg agtccggagg ccgcaaagta tattttgctg 420
 ggtaagcgat cttcaatcat tgcgccactt gtgtaactgc ttacaagagc gctccattca 480
 gcgatacggg gtatcgatcg gtgccgacac ttccagatca tgttgacgac cacagtctctg 540
 aacataatta tccctcgtgc cctgctttca agcaagtagg tgagtatcgg ggaccgttcg 600
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 cagacccgca cgatgctgtt gagatcttgc cggataccca atgcaagagg gcttttggtt 720
 tcactggggg acttgggtgc ttacaaatga ggatgttctt gtgccctccg ggagtttaag 780
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<210> 23125
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23125

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 gggtatagga cacagcttcg gcgagctaac agcattgtgt atatctggcg cgctgtctct 120

accagacgcc ttgactctta tcgtgcgcgc tgctgttctg atccgtgaca aatgggggtgc 180
tgacccgggt gctatgctcg ccgtagaagg agacaggtct accttgagaga aacaccttga 240
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taccgcagtt attgacttcc ttcaggaaga actggggggt gattccgcat ttcgactgaa 360
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cgcaagtgcc atagatgggt tagctcttaa caccgcaact attccgatcg agcgtgctac 480
tgaacaccaa gcagcagata caataccggt gagcatcgtg gcagaccatc tccgtcagcc 540
tgtgtatttc aataatgctg tacagcgctt cgctgcacgt catggccctg ctatctggct 600
tgaggcaggc tccaactcca cgattacctc gctagcacgg agagcgcttg gtttgggcgt 660
ctctggcaac actttccatt cgggtgaatgt aacatccacg tcggcattga tgaacctcac 720
tgatgtcacg gtcgggctct ggagcgataa tgtgccttgc acattctggg gttatcacgc 780
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acactggatg 850

<210> 23126
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 23126

cctcttgatc ctgtccgcag cactggtagc agccaagact ctcttgogcg tcacgatccc 60
tcaccttctc cgcaagcgag ggattcgtcg gctacttcgc ttgttccttc tagctcggag 120
cagcttcgga caagcacatc ctccccctcc cctgatcaac ggcgctctaaa gaagcgccga 180
cacgtgatca aagaactcgt tgacaccgaa tacacatttg ggagagatat gaaagttgtg 240
gacgacattt ataaagggac ttcaagttcc tgcctggatc tgtccgccga ggatataaaa 300
atcctctttg ccaattctga ccaaattgtg catttctcaa tgactttcca ggatgcactg 360
aaggaggcgg ccaaagcgt gtacgttatg cccaaatcgc agcggaggag cagtaagcgt 420
agtgggcgaa attcccacgt ttctaagaat gattcagaat caattgaagg agcaggccct 480
tcggatctag aaaaggacag agcaacgtcc ataggtcagg gctttctgaa ccatatttcc 540
caaatggaga aggtctatac cgagtatctg aagaatcacg atgccgctaa taagaaactc 600

caaacgcttc agcgaagtgc aaacgtgaca atctggttga acgagtgcag ggagtgggcg 660
tcggatctca cgagcgcttg ggacttggat tcgctgctag tgaagcccg tgaacggatt 720
ctgaagtatc ctcttttgat ttccgaactg cttgactcga caccgcccga ccatccagac 780
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ttgaagagac 850

<210> 23127
<211> 749
<212> DNA
<213> *Aspergillus nidulans*

<400> 23127

tcccgtagcg ccgagtctac tgccgccgag gccactgctg ccgaaacgac tgctgctgcg 60
acgcagacgg ctaatggggg ctcaattgag gagattacta ccagcaccca cagcgttacc 120
cggacaaaga ccgtgagcgc cagcactca actgagactg ccgctgtaac tgagactgct 180
gctgcaacct acgtgccgcc agtggtgctt cggaagttga cgcaaccaac acgcaaccgg 240
tctccaagac taagagcacc agctacgtca cctccacaac cacactatgt cccgtcgaga 300
gctcccaggc ggccgccacg gaatccgtct ccagaacaaa gacaaccagc tacgtgacga 360
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aggcctcaac agacgcagct gcagccacaa ccccgggcgc tgaacctcac ccatccaacg 480
cggagacccc cgcagactcg aagagctctg cagacgccgt gaccgcccga gccacgaaga 540
caaccatcgc cgtgaacacc cctaaccggc cgaccgactc agcctcttcg gttcctccag 600
atagcatcgt ctacacagcg ccagaagtga ccagcagctc gtccgttcca ctgttcacta 660
tcgtctcgtc ctctcgcag ttcgtgactg tcctactgc ggccccatcg tccttcgagc 720
ctacggacgc tgtgcgcgac ggagccgac 749

<210> 23128
<211> 598
<212> DNA
<213> *Aspergillus nidulans*

<400> 23128

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attccccgcc gctctcgtcg acgctctcac tgcgtacctc taccttattg cccaccccc 120
 tggctccttc cacgctcctg tcccccgaa caaatcatc ctggccggcg actccgctgg 180
 cggaacctc agcctcgtgc tctccagac cctccttacc ctgcatcgca agtccacgac 240
 cgtcaccttc cacaacacct ccgccccat aacccgcct gccggcgctg ctgtctcttc 300
 cccttggtgc gacatctccc gctctatgcc gtccatccgc aagaacgctc cctacgacta 360
 ccttcgggcc ccatcacctt tctcttcttc aaaagcaa at ggcaaaccct tccgccggcc 420
 tctgttccc gcagatgcaa tttggcctac caaccaccg cgcgtcgact actttgtcag 480
 cgcacccgca atcctccacc cactcgtctc cccactcgca gtccttcgg acctttggaa 540
 caactgtccc ccagtctaca tctccatcgg tgaggaaggc ctcaccgacg aaggcctc 598

<210> 23129
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23129

accaacttgg cgtccctcag actgacctga tatccacggt cgagttcctc ttcctccagc 60
 gccacctttt acatggctat atcgttgcct ctccggatca tgaagggcca gatgcggccc 120
 tcggctcagg ccgattagca ggaatgacgg tgctggatgg gatgcgtgct gtcaacaact 180
 ttaacgagac tctcggattc tgcacttccc gccctatgat cgccgcaaca ggatactctg 240
 gcggggccat tgcaactggg tgggcagcat ctctccatta cgtctatgcy cccgagttaa 300
 acgtcaaagg ctggggccatg ggtggcacac ctgccaatct gaccgggaca ttctactatc 360
 ttgatggaaa gttgtatagc ggcttcatcc cagcggccgt aaatgggctg tccaagccga 420
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 cactcttgga ctacgcaaac tgcattgcy ttcccgcaga ccttgccaat tggccaaacc 540
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 attcactccg ttctactcga gaatcttctc ggtgggaggc cagaagaggc accaatggct 660
 cctgtgctgg ttaccacag cgtagaagac gagatcatcc cgtatcatga cattccatta 720
 atggctcgact catggtgcag cgcaggagct accgtacaat tcagaactta cgtgactggc 780
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tttgccggca

850

<210> 23130
<211> 499
<212> DNA
<213> *Aspergillus nidulans*

<400> 23130

cggaatacaa gtcacccaac attgttctac ttcggccgag catgtccttt atgattctcc 60
agactccgaa tcctcattcc cttcgtgacg ccctacctga cttcacacgc acaacgcacg 120
ttttcctgcc tataaacgac tgccgaaacg tcacagaagc tgagggggggc acacactggt 180
ctctgtcctt aatctcgata gtggacggag tagcattcca ctatgactca ttaccaccag 240
ggaattactg ggaggcgaag acagttacaa tgaagtttgg cgctctcctt aaccgtccca 300
tacggtttgt caacctcgac gattcaccaa cccaagagaa cggcagtgat tgcggcgtgt 360
ttgtttgctt atctatgcgg cacctcctct taaaacgatt actgcgagca aactctaatt 420
agaaagttag tatgagtttg ggtggctgga aggtagacgc gcgcttgggg cgcaaggaaa 480
tagccaaaat tatcgaagg 499

<210> 23131
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23131

agaaaactgcg ccatgagcgg ctggtggagt tgcagaagaa gattgaggag gaggaagagc 60
gtgaacgcat caagaaggag atccgggatg aggaggcgag gattgccctt gctgagcagg 120
agaaaaaggc taaggaggcg cggatgaagg ctgccgctgt tgaggagtgg aagcttgccg 180
aggagcgggc tgcgattgcg gagcgggagg ctgcggagaa gcgcgataag gagttcaagg 240
agcgcttacg gctcgagttc ggtatgacac ccgaggagtt tgcggagttt atgaagaaaa 300
agaatcagaa ggaagagaag aaagaagaga agaaggagga aaagaaagag aagggaaagg 360
aggagaagaa gaaggaagag aagaaggacg agaggaagga cgagctcatt gagcaacgca 420
agtctccttg gatcaaggta tgctgtcctg aacaccatca taactctacc ctctctaac 480
cgtgcaatag gtccatcgca aatatctcct ccagaaacc ctagacacat atagactccc 540

ctgggtcatgg gatgatgtga gttttataca tctatatcag cactacccac ctgcacaatc 600
agactgaccg ttcattctac tccaggttga cggcaactat ctcatcatta agacgtggat 660
cagcgaagac ctgcaggacg agctcttcca gcacacccgc cgcattccgc agggtaaaat 720
ccttactcag acctccagca ctctgactga gctccgcgtc aacgatcgaa acaaggataa 780
gatgtacctc gttagaaaaa agagtcccag tccgaggtct tggattttta cctgattgcg 840
ctcatccgat 850

<210> 23132
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 23132

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gcagtccgat gacgatgccg acaagggcga ttttccgaga cgcgccaacg ccaacgcgcg 120
agaggagacg aagaaaatga cgtacactcc aaaattggag atggcgagga cgacgatgtc 180
gatgaagaag atgaagaaga aatcactagg tgcctctgcy gacagcagga ttatcctggg 240
cttccaccct ctgcgcgcga ggccctcaat cgcaatgggg cgcggagtgat gatcaaggat 300
gagaatcctt tagattcgtc tctggactcg tcagacctga tgtcagatga tatcggcagc 360
atgttcatcc aatgtgattc atgcaaggtc tggcagcatg gtggctgtgt ggggattatg 420
gatgaggcta tgagccctga tgagtatttt tgtgaagagt gtcgaaaaga cctacatagg 480
atcaaaagtg agacaaatgg 500

<210> 23133
<211> 663
<212> DNA
<213> Aspergillus nidulans
<400> 23133

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gtcacatcat tggtcgtagc actcgcctcg tatacctggg ccagcttgcg accgaagaac 120
ttccccccag gaccaaagcc actgccattg ataggaaatc tgaatctgat tcctccgctg 180
aaggcattct tactgttcgt cagctctctt ctacttgaag tctggcctgc ggctaacggc 240

atatacacag tttccaccaa tggacaaaga agtacggtcc cataatcgga ctcaaattcg 300
 gcccaacaaa cgtcgtggtc cttaataact ggaaagacgt tcaagagtga gtatagtaat 360
 tcattattca ttgataaaat caaataaatc aaatataaaa attattcttg gctcatcatt 420
 ccgtccaaga ctctctgaga aacggggcca catctactcc tcccgcccag acaactacat 480
 cgccaacgag ctcatctgca agaaccacac ccatatctc ttcgccccat acggcgacgg 540
 ctggaaagcc ctgcgcaaag cagcccagg cctcttcacc ccgcgcgaac tcgcccggcg 600
 cctccccatc caagaagccg aggccacca gacggcatc gacctaatcc gttccccaga 660
 ccg 663

<210> 23134
 <211> 341
 <212> DNA
 <213> Aspergillus nidulans

<400> 23134
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 cccccgataa cttgggcagg ccgcatccga gtgtattgcc attccgggtca agaaacgtat 120
 cagtaccgaa cccagatatc ttacagact caccggccac accctcaatg aatgcatttc 180
 ccacgttgga tcttcagaag ggaattgcgg cggcttcgat gaacgcttta cctacaccaa 240
 gcgctgtcaa cttcgcgccg agcgggcttt caagtgatgg cctctatcta ttcgacaact 300
 atattcattc gccagccagt cctggctttt ctactgcgct c 341

<210> 23135
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23135
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 gatcggttc attgccatca aagctctacg tgttggttca cggccgaagg gctgccacct 120
 ggaccgccga ccgagttcat ctggggcaat acgaaacagg tacattcttc aagggtgtgc 180
 gaggggtgcag atttacggcc aaataactaa cgccggcaga ttgacctgtt ttaccgcgaa 240
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acggcgacg tcgttgcag cgggctgcgc gacgtgagag acattttcat caagcagggg 360
gcaagttccc agaatcgccc gccctctcga ttccagttgc tcatgcgcga cggtttcttc 420
cccggcttaa acaacggaga gaagtggcga cagtcgcgca gaatgtggca ggccgtgctc 480
aacaacagtg cggcgaaaca 500

<210> 23136
<211> 583
<212> DNA
<213> Aspergillus nidulans

<400> 23136

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tctcagctca tcattctgtt gtcgacgaat ctgctttttt cctcgatcaa tggctgcctt 120
cgtatgatgg tgatgtgggt gtcaggcac tcatgggcct cgctcacacg atgggggtctc 180
taataatggc ctacgcattt gacattgaga caccggagaa tgaagatgag cgggaaggcg 240
aagacgggta cctcactgac gaagaggaag aacagtcttc caagggcatg gtgcctctgg 300
ctgatatgct gaacgcggac gcgtacagaa ataactgag cattataggc aatgcccccc 360
cttttttttt tttctcttct attaatcca ttgacttttt ccaggcccggt ctatttcaag 420
aagaggaatc gttggaatg aaggcaatca agcccatccg ggctgggtgag gagatcttca 480
acgactatgg agagattcct cgctctgac ttctgagacg gtacggctat gttaccgata 540
actatgcctc atacgatgtc attgagctct ctctcgacac gct 583

<210> 23137
<211> 604
<212> DNA
<213> Aspergillus nidulans

<400> 23137

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gccctcgccc ttcagcaaca atctaacgta tgcacgcttt atgaagcccg ccctgcaacc 120
ctcgatattg ggggcgcact catgctcacc cctcaagcgc tgcgtatcct cgactctata 180
ggcatctacg cccgcctcaa ggacaacggc tatagcttcg acagctctac ttcactccca 240
cgaccgcaat ccgtcgtcag ctacgagttc ggccggggagg caaagtacgg ataccagct 300

ctacgcatct accgcagaat tcttaccagg gaactctcgg ccctcggtga agagacaggg 360
atcccaatcg tgtacaacaa gtaaattcac ccgcgtgctc gaagaaacac catatgatgt 420
gatattcgag tttgaggacg agactaccgc aacagcgacc atccttgctg gtgcagatgg 480
tattcactcc aatgtccgca agtacttgta cccggacctc taacctatct tcacgaaggg 540
gattggcatc aacgctgcca tcccagacctc ccaactcaaa ttgcccgagc ggtacgacct 600
tccc 604

<210> 23138
<211> 701
<212> DNA
<213> *Aspergillus nidulans*

<400> 23138

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tatgcaata tcaggcatca cactgacggc aagtgggtgg agtggaatcc caagaagcct 120
cccacgacgt acatcgagct tgcagggtgt gactcccagt atgagcggcc ggatatgtgg 180
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gactggaaaa gcgctctgtc tgtgcaggag ttcttagatc tcaagtccca tgccgaacag 360
gaacatcgag agaaagagtt caatgtcgaa aatttccgca agaagcgcgt caagaaaacg 420
acaaaaaac cgcttgcgat agcaggatat gacgaaaacg ctgaagtcca atacgccggg 480
ccatcgggac atatattcga tggactcaat ttctgtgaga tcttctgccc ctctcctatt 540
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ggctgagctg gagaatttgg ttaaagccaa cgggggcaga atctttcaga cgaatgatgc 660
tgtacctgat acaatctgca tcgcagatag gagtaagcgg t 701

<210> 23139
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23139

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gcgcgacgag gaattcgact tccgcaagcg cgctctagac atcctttcca agtggaagaa 120
 cgtcctcgac agtgaccgtg caacaccctc tcaggagaag gagaaggaga aggaggagaa 180
 gcccaagtcc aacgggtgtcc acaaggaaaa ggaaggtagt gccgaagcgc cgggtcaaggc 240
 ttctgaatcc aagtccgaga aggaggatga caccaagctc gacaccccg atcaggatac 300
 acctatgcct gacgccgatg agaagaccga ggaagcaccg gcgcctgcc aaggcgagga 360
 tgagaaggta gagtctgctg atgctgcagg tgagacggga aagagtgaga agaaggaaac 420
 ggagacggac acggagaaaac cggccgagga caaggccgag gacaagaaag cagatgagaa 480
 gactgctgaa gctgaaactg 500

<210> 23140
 <211> 753
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23140

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 ttgattgtga cgatgatgat gctgatggaa caagtacgc ggtattatca aaaagctcga 180
 agcactcagg ggccatcaag gccctacagt tcaacccag gcattcgagc ctactagcta 240
 caggaggtgc caaggagag gtctgtgtag aaactgttga ttatttgccc aggactagta 300
 ctaacgttgc atagctgtac atctctgatc tcaatgacct cgagaacccc taccgactgg 360
 gaagctctac cgcccgcgcg gacgacattg aatgtttaga ctggaataag aaggtggcac 420
 atattctggt tactggtagc agcgcagggt ttgttaccgt gtgggatgtc aagacgagaa 480
 aagagagctt gactctcaac aacatgggac ggaaagctgt cagcgtgtt gcttgggatc 540
 ccacaaagggt agggcccgcg ccctcatgtt gccgttgacg gaaatgccta acaacgtgca 600
 gcctacgaag ctctgacgg caacaccaca tgaatcagac cctataatca atctctggga 660
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 catttctaac ggtaaatgac ccttcgtgga cac 753

<210> 23141
 <211> 500
 <212> DNA

<213> Aspergillus nidulans

<400> 23141

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tctctgctca ggaggagctc gcgcggcgctc gcgagaataa ggctactgcg tatccagatc 180
tcactcgtga ggcgggtgatt ccggacatgc ttgaacctcg ggaagccaaa gccctcatat 240
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caccgccaaa tgatttcacg cctgaggagc acgaaacggt caccgatgct tttatggccc 360
acccaagaa atggggaaag atcgcagaag cgttacctgg gcgggatttc aaacagtgtg 420
tcattcacta ttatctgacc aaggaagaaa tcaagtacaa ggccaagttg aataagcgat 480
ggagtcgccc tgggcgtgct 500

<210> 23142

<211> 514

<212> DNA

<213> Aspergillus nidulans

<400> 23142

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ggccacagca gcggtatgtg agctccgacc ctcatatttt cctgctgtct aactagtgtt 120
tcttatctac agaaccccc gttatacctc cacgtgacga gtacctgaa agaaggactc 180
gaaaaagcgg tcgcgctgat tgaagatctt atgaagaaag agctgcccaa tctagtggat 240
gaacgacgat ttcgccgccg tgaaccagag caagttgagc gggatgaatt tggtcgcgta 300
agtttcattg tccatgaatg catcattaca ttactgattg tccacagcgc aatggcctg 360
aagagaaaat acccgtcggc ctggagccaa ttctggatt taaccttcgt gcgcaagtcg 420
tcgggcaagg tggatatgtac gtaaaacata tccagcagca gacgagatgc aaggttcaaa 480
ttaaaggccg gggatctggt ttcttgacc cagc 514

<210> 23143

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 23143

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atagtctgca ggctgcatca tatcaaggct atgagaagat agtgcagata ctgctggacc 180
atgggtgctga agtcaatgct caaggtggag agtatggaaa tcctctgcag gccgcatctg 240
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tgcagatact actggaccat ggtgctgaag ttaatgctcg aggtggattg tatggtaattg 420
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ctggaaatga ggagatagtc cggatactgc tggaccgtgg tgctgaagtc aatgctcaag 600
gtggagagta tggaagtgct ctgcaggctg catctgctga aggccatgag aagatagtgc 660
agatactgct ggaccatggg gctgaagtca acgccaagg tggagagtat ggaagtgctc 720
tgcaggctgc atccgctgaa ggccatgaga agatagtgc gatactgctg gaccaaggtg 780
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<210> 23144

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23144

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gatcaacttc tagactatct catgactgtc ggagagcacc agaggcaacg cgcattccac 180
ctccccagcc tcccgtaac ttccagggtg atcgcccgat tgccaattca ggtaatccgg 240
ccttgcatg ggcatgcgca atgggtgccc ttgaaattgt caaagatttg ctgcgaaggg 300
gaccaaatat gaaagccctg tctattcatg aagagacccc actggtccgg cttgtgcttt 360
ttcgaacaac tatgagaaga ggacgtttcc agcactgtta gacctgcttc tagacacgat 420

ctccctcacg gattggtttg gtgctacatt gttccaaaac ataacgctag cgacgaaaag 480
caagggataa tggaaaagct 500

<210> 23145
<211> 809
<212> DNA
<213> Aspergillus nidulans

<400> 23145

gctactcgtg ctgcctctga gggcgctcag ctggaccctt ccaagctcac catcacgaaa 60
acaagcacgc ccaaggagtt gttaccgctt aaggaccttg tttttgggaa gaactttacc 120
ggtaggatac tctaccacaa tccggcacga aaatcaacac ctgctgatg cgattgttcc 180
ttagatcaca tgttcaccgt cgaatggacc gcgaaggacg gctggctcgc tccacagatc 240
gttccctacc aaaagctcca actagatcca tcagcttgcg tattccacta tgcctttgaa 300
tgcttcgaag gtatgaaggc atacaaagat agcaagggtc agattcgttt gttccggccc 360
gacaagaaca tgcagcgtt gaacaagtcc tctgcgcgta ttgccttgcc tactgttgat 420
ggtagaggccc tcaccaagtt gattggcgag ctggccaagc tcgatagcag attcatccct 480
gagtaacaca accatcttgc aggctaattc aattgctaatt ttctttatag cgcacgcggc 540
tactcacttt acctgcgacc tacgatgatt ggtacccaaa gcactctcgg cgttggccca 600
ccaggctctg ctcttctctt tgtcattgct agtcccgtgg gtccttacta ccctactgga 660
ttcaaagcta tatcattaga ggcaacggat tatgctgtgc gggcatggcc tggaggtgtg 720
ggagataaga aacaagaatg caaactatgc cccttgcac gtcccacagt tagaggcagc 780
ttcccagggg ttacagcaga atctgggac 809

<210> 23146
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23146

aggagtcttc tggtagccct gtcaagaaac gcctacccaa cgggctttct cgcagtgaca 60
ctatggaatc tttgaagtcg gacagcagca agtccacgct tccgaacggc ctcttagatg 120
acagccaaga caaaattaat aaatttgaac cgcgtcctgg atataaacag tgggtggctc 180

aagcaggtac tctcgtggct gacttgctca cttgtgctgg cgcggatcac gttatcacga 240
 tggacctgca tgatccccaac taccaaggct tctttgatat tctgttgat aacctctacg 300
 gccgacctt tctcaagaac tatattatgc gcaacatcgc caactacaaa gaagccgttg 360
 ttgtgagccc agacgctggt ggcgccaaagc gggcaactgc gattgcggac tccatgggca 420
 tggaattcgc tctgatccac aaggtttgtg ttaccgatct tgagagcaca ggaattgcaa 480
 attccaaggg gggggggggg 500

<210> 23147
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23147

tgctgtcaaa tcacctccac cgattctacc agactaagac aatccgcgtt cggacttgg 60
 ataacgaaaa tgccgactct actatcactc tcagaacgcc cctccagta ataccgtcca 120
 tccgatcctg gaaagtttca ggtgaccgat acacagaggg agtcaagaag ttgcaggtta 180
 gtaggccatt tattttgaaa acgaaggctc taatatacgt agggatcatc tggaccattc 240
 agattcgctg ttcaaagttt gaaggactcg gaatttacgc cgaagacatt tgcttcaaag 300
 gatactccgg tatgagacta tgatatcatg gccgctcaga actaacttcc ctagectctt 360
 tcatcgaagg atgaggttat tgccaatggt tattggcaat tcttgcaact ccgcggttac 420
 atcaatgaaa agcaccagct tacaccttgg ggcgaatgct agagcaagcc ctctcagttc 480
 tcgatccga agattcattg gaagaagcta cttttgtggc tattgagtta cttcggttcg 540
 gaattctgaa cgcaacgcaa tggttctcac aagtatctgg agggccaatg agaggatccg 600
 gtgagcagac acacccatga tgttagactg ttcctaacag tactagatga ggacaagtct 660
 ttcaacatgt tgatttcccg cgttgcctgt attggcaaac tgccggcaca gaacatcggc 720
 tactctggac ctcttagcag acagttactc tcttaccggt ctcttatcaa cgaagtccgt 780
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 aatcgcgacc 850

<210> 23148
 <211> 500
 <212> DNA

<213> Aspergillus nidulans

<400> 23148

gaccacagag ccgggtcccc tagaaaccag gacgactctc ttcaaccaac catggaatgc 60
tcctcaccta ccagtcttca ttgggttggg accgtctgcc caggcatctc tcctagaaaa 120
aaaagtcata ccgatatacc gtctattccc ctgggaatcc taatectact tgtccgtcgc 180
atgcctatca ttttcgccat gcacaagtat atcgaacaga tcgaaagtct gttccagact 240
acatttgtcg gcttctttgg ccccatcggc gtccgtgcag tcttctatct ttcagtgcgc 300
agggaaatatt tgaataggat caccgtgaat ggcgaaatc gcgccgatgc gcagcaggtc 360
tctgatacca tcgaagtggg ggtctgggtt ctctcatctc gcagcatagt cgttcatggg 420
ctctctattc ccttcgcaa agctggctat catctcccgc ggactatctc gcaagtgcgc 480
agcactagca ccggcgacaa 500

<210> 23149

<211> 557

<212> DNA

<213> Aspergillus nidulans

<400> 23149

agtacgcgca gatgagattt gacttggatg ctggtacgta ccgtcatcac tcgattgaaa 60
gtatgttgca gatgacggcc taatcaaacg aaaatgcaat agatctctca ccgctcttca 120
attggaacac aaaacaagtc ttctgtctacg tttacgcgac gtactcctcc tccaacaaaac 180
cctccgagaa ctctgtaaca ccgcagtccc aagccatcat ctgggatact atcattgaag 240
ccccgaatc gccttactct tttgcgaatc tgcgcgagca gttcttcccg actaagagcg 300
gcaagtccgc atcatcgcgc aagcgctctt cgacgaacaa gaggaacgat agcaacaagc 360
aggatgctgt tcccggaaact ctccgtctcc gcaatcagaa gagcaagtac cagattagtg 420
atattacggg gaagatggcg gaacggacga atgtcacgct gagcgtgggg tggaatgtgc 480
agccgtgggt aggagcgttg tgggtgggctc ccggaactgg tgcgggtccc agaacagggtg 540
gcagcaccgg ggtatcg 557

<210> 23150

<211> 637

<212> DNA

<213> Aspergillus nidulans

<400> 23150

cgcgctcgtgg ctgtgttcgc tgtactcgat ctttgccatc gggagtatgg cgccggataa 60
tcagatcgct cgcgccaggaa aagatgcgga aggagacgat aagcgggcag cggactacct 120
tgccctggcc aaggatctgg tccctgaagt gagcgaagag gcagatacag aaagtgtcaa 180
ggctttcggc ctgttggtat gctgctatca tcgactatta tttcgagttc tactgacgct 240
tgcttagagt ctcgggatgc atgcaatgtg ctatagcgtc ggggctgacc tgcacctggg 300
cacagcagtc cggatagggg tctcgctcgg cttgcatagg aatatctctc cgcgtaagag 360
tagctcggta gagcgcgaga gagccaggcg gttgtggtgg acgatctaca cgctcgacca 420
tgaaatggcc attaggtttg gatatccctg cgccgttggg gatgagagcg gccttgtcaa 480
gacgccacca gcatacagaac aggtacgtcg tcaattatgg tcttggtgcg cccatgctca 540
gccgcatagg taatggatcc tggcccaa atgcccctcg gataccaatc cctctgtgtc 600
tcgcttgtcc ggatccgcaa gaagatcggc caaagct 637

<210> 23151

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 23151

agaccgtgaa ctctctcac tcactctgca aaatgtcttt gcaattctga agcgcattcc 60
caatgcgcgt cgtgcactcc ctgaaaaagt gattccgcaa ctcaaagaga tctttccggc 120
aggaaaaggc gcttcccagg agcgggattc gaaaaaagat gcggggctta tggtagttct 180
cgagaatatg actgttattg ctgaaaattg tcctggcaag gagttcaagg acggtgaagac 240
aactgttctg aagcatatgg gacttgctaa tctccttacc agatataccta cctctgatcc 300
gcttaggatt tgattcgcct actcataccc tagttgatgc tgctatcagg tgcctgcccg 360
tgatcctccc cgtactcgat tttagcactg tgaagaacga ggttttcctt ccgattgcat 420
ctactttcag ccgcacgaac agtcttgccg tcaaagtacg ctgtctgcaa gcattcactg 480
tgctttgtgg tggctccgtg gataataagg atgataccag tgatgacttg tccggcattg 540
tcgaaatgaa caaaccacaa catacgaat cgtctattct agacaagtac actattcaag 600

agaagctcgt tccgtccttg aaagcaatca aaacgaaaga accggctgtt atgatggcgg 660
ctctaggcgt cttccagcag gtccagaaag ttgcggattc tgattttctc gcccttgaag 720
ttctccctgt cctctggagt ttcagtcttg gaccgcttct aaacttgagc cagtttagcc 780
aattcatggc tctattcaag agcatttcct caaagggtga gcgcgaccaa atgagaaaac 840
ttcaagaatt 850

<210> 23152
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23152

gttgcgcctt gatgcgctgt ctggtgcaga cgccggaagg cataaaatat ttggcggaga 60
acaaattcct ccgacagggt gccgaatgtc ttgcgcagggt tgaccatatg agtggtttga 120
catcgtcggc gccgttggtc tcgcgagaac aaatggcaaa cacactgagc ggccggctact 180
ttgccatgct agggacgctg agcgccgacc ccaacgggct cgcgatgatg gaacgatggc 240
atatgcttaa tatgttctat catatcattg aactccggga tcgcgacgac ctaatccaga 300
cgctcatcgg gaacatggat tacacccagg caagccatct acgggttatg ctatctaaag 360
ctcttactac tggctccaaa gatattcgca tttttgggac aaggctactt cgaaaatata 420
ctgtggggaa tgtgtcacc acatcagtta gcaatgcaga ctgggtcatc aagctccttg 480
taactcaatt atatgaccct gatgtctccg tctgccaagt agcagtgaag attctggagg 540
aggcatgcaa tcagcgcgat taccttgagt ttgtgggtcaa atgtcggccg tctctggacc 600
atctaggtga aattggtgcg cctctgctgt tacgcttctt gtccacttca gtcggctacc 660
attatcttga tggactcgac tatatcacgc aggaaatgga tgattgggtc ctaggacgga 720
acgatgcata cgtcagcctg gtcgaagccg ctttgtctcg agcctatgtg gaccatcccc 780
gtagaaacag cttggtacct gaagatctcg ttgatcacca ggatattggt cttgtgcctc 840
cacacttcta 850

<210> 23153
<211> 649
<212> DNA
<213> Aspergillus nidulans

<400> 23153

gggcgggagc cagcgggtatc caaatatgaa gttcacatcc gactgaaaac ccggcgagac 60

ggccctgtca tccgcaacat gatccgattc cctcactccg tccaaaccga atcacgaatt 120

tgcgtgatct gtccgcctgg ctcaaaacat gcgaaggacg cacttgcagc aggagcggtg 180

ctagtgggag aggatgaagt atttgaagtc gtgaagagcg gaaggattga attcgatcgt 240

tgccttgctc atccggacag tatgcccgcg ttagctaagg ctgggctggg aaggattctc 300

gggtccccggg gtctgatgcc tagtgccaag accggtaccg ttgtcgaaga tgtggctgct 360

cgtgtcgaaa tgcttcgtgg aggtacggtg tacagggagc gtgacgctgt ggtccgtctc 420

cccatcgggc agctgggatt ttctccagag caactacggg acaaccttcg tgttaccatt 480

gatcaagtga aaaaggatgc tgctagcctc aacgaccgaa tcacaaaaga aatctacgaa 540

gttgtaagtg cggaatatc aacactgtct ggctattact gatcgactgc aggtgctgag 600

ctcaaccac ggtcctggct tcagtctgaa tggagagttc aagaccgag 649

<210> 23154

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23154

ccctttgatc atcaacggca aggaggagct ggcttcctca gtgttcgatg taattagtc 60

ttacacaaac aaggcctgct gggccgcagc atctgcttca cctcaagatg ccattcgtgc 120

cgttgaggca gcccaagcgg cgttcccagc atggtcgcag actaagccga ctgtccgacg 180

agatatcctc ctcaaggcgg cagacatcct tgagagtaga ctggagaagt gtgccgagtt 240

catgcccagc gagatgggag cagatgctgg ggcgtcacia ttcttcgttg tccccctggc 300

aatccgtatg ttgaggaag tggcaagccg catcacctca atttgccgca ctgtacctgt 360

tgtcgaggcg gaaggacaga gcgcaatcat ctataaggag ccgatgggag ttatcctggg 420

aattgtacca tggatatgtt cctggtcgct aagcggcgct gcactttact gatgatatag 480

gaatgcaccg tacgtgttcg gtgttcgatc tgctgcatgt gctcttgccg ccggcaatac 540

gacgattctg aaatcgccg aactcacgcc atgctgttac tgggcgctga cccgcgcctt 600

tcacgacgcc ggattgccag acgggtgtct caaccttggt tcctgtcgcc cgcaggatgc 660

agcagaggtg gtcaacgcca tgattgagca cccggctgtg atgaagatta actttaccgg 720
aagcacggct gttggccgga agatcgctcg tgcttgccgg cagaatctta agccgtgcct 780
gatggagcta gggggtaaaa acagctcaat tgtgtgtgct gttgcatatt ttgataccgc 840
tgттаagtcc 850

<210> 23155
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23155

cgcagagacg ccgacgaggt tacgcaaadc atgattacag agtgtcagca gcttttgaga 60
ttgttcggac taccgtatat cacagcgccc atggaggcgg aggccacaat gcgcggaact 120
ggtctcgta ggacttgtgg acggcattat cacggatgac agtgatatct tcctgttcgg 180
tggcaccgga gtctacaaaa atatgttcaa ccagagcaaa tacgttgagt gttatctcac 240
tgcggatctg gagaaggagt atgctctcca tcgacggaaa ctgattagct tcgcacatct 300
tcttgggagc gactatacag aaggaattcc cggcatagga ccagtgcagc cgctggagat 360
tctgaccgaa ttctccagcc ttgaggaatt cggggactgg tggacgcagg tacagacagg 420
ggcagatatg tcgaacagca gccatgcggc tttctacaaa aagttcagga aacaggctac 480
gaagattttt ctaccgcta ccttcccgga cgcgcgagtc gatgcagctt acctcgagcc 540
ggaagcggac agggaccctt caccctttca gtggggcgtg cctgatctac atggactccg 600
aaacttcctg atggcgacta ttggctggag tcaggaacga actgatgaag tcctcgtgcc 660
cgtgattcgt gacatcaatc agagagaaca ggaggggacc cagagtaata tcaccagttt 720
cttcagtgga cctcaaggag caggagcatt cgcaccacgc gtccgggtccg gtggccagag 780
caggatggaa aaggctttta gccgccttcg acgggaggct ggagctgac aggacgcaga 840
gctagttgat 850

<210> 23156
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23156

gggttttttt tcgctgtag agatcaagac cgaggaggat ctgattcccc ctggtgccaa 60
 gcctgggtacc gttcccagcg atatcgagca ggctaccggt cttgaacgtc tcgaacttat 120
 cggaagatg cagggcattg acattttcga tatgaggccc cttgatgctt ccagaaaggg 180
 tatgcttata ccattcgttg aaatgtgact aggaaagtgc tttatctgac tccgtaaccg 240
 ataggaactc tcgacaaccc aatcattggt aacggtgccg gtgacgaaca gtacgctggt 300
 tgcaccggt accctgcgga ctcccacat gtcaactggc ttactgtacg gaataatata 360
 ctttttttag gcattgttcg caggattgca tactgattgc taccagggtc tcccgtgagc 420
 gccccattga gcgctgcctc gagtgcggca acgtcgtcaa gctgaactac atcggcctg 480
 aggaggacc ccatgctcgt 500

<210> 23157
 <211> 596
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23157
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 agtcgccctg caattgatgg acacaagcac actggggaag gcggagcgtg agccggactt 120
 cctcaatgta catcagacga ttcagcagac cctgaaggcc atcgtcaacg agcatcatca 180
 aggcttcaat agttccatcg gcacgtacca caaaatccag gcgagcatto aaagctccca 240
 aagccgagtg cgcaacttga agcatgcgct agaagatgca aaaggtggto tgatgtctac 300
 caagcccagag ctgaaagagc tggcgacatc ttcccagaaa tatgacgaca taatccagct 360
 gttcagtcag atccaggaaa ttcagtcctt tcttgagaag ctggagtcta gattatccga 420
 caaacgatto ttaggtgctg tggaggtatt acatgacgca ctgcgacttc tacggcgttc 480
 ggagctagaa aacataggcg ctcttgcgga catccgagcg tatttcgaga accaggagtc 540
 ttccatcacc gatattcttg tcgaggaatt gcacgatcat ctttacctga aatctc 596

<210> 23158
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23158

gaccgtcatt atcatgactc aatgtcggac cttctcaagt gctcttgag ttcgcttcat 60
catgggcctg ttcgaggccg ctgtcacccc cggactcaca ttgatgaccg gtttctggta 120
caccgccag gagatccctc tgcgccaatg catctggtac tctgctttgg gatgggggtg 180
catcatcggc tcatatatct ccttcgggat cagcaagctg cccatggact tttcgcccc 240
gcggtgggag ctgttgttct atatcctcgg ggctgcgacc tgtctctggg ctgcagtcac 300
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tattgcagtc aaacgagtgg ccgctaacca acgggtatta agaacaaatc atttgacaca 420
cgccagggct ggtcgccctg acggatccca aagctatact gatctttata tcggtatttg 480
ccgccgctat tccaaacggc gttgtgaatt ccttctcgac gatcatcatc caagacatgg 540
gattctccac tacgaagacc actcaactga agtctgtcgg agatgcagta cttatcgtgg 600
cgttggtgat cggaggtact ataacgttga ctgtcccaa cagtagactg ctcacatcaa 660
ctgctgcaaa tatcttgtgc actgtggcgg ctgctgcat ggcctatctc cctcgagaga 720
aaacatgggc tagactggct tgtttctggc tggtaatac acagtcggta gggttcacga 780
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cattggtgtt 850

<210> 23159
<211> 500
<212> DNA
<213> *Aspergillus nidulans*
<400> 23159

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ctatgtgggg ctgagttcaa ggttgctgca aacctaacat gttcctcgct tcggcagcga 120
gctgtctcat gagctcttcg tcttccggat ccgagaagcc ttcacgtcgc atatcaacag 180
cttgagcgag cccaacctca tgaagcgcac tgggcacttg ctgtattgga acatcttcga 240
attctggcga taatcgcca gtcttctcgc catcacgcac gtgttcttcc gctggcaggt 300
gcacgtcttc aaactctagt gatcgttccc tttctgcagc ggggacggct tccaccggtt 360
gcacagtgcac gtcttcaaata tccggagaac tagaccgcac ggattcctca ccgtcagtct 420
gcaccgattc ggctacgtct ccatcctttg caactttggc ttcaagagct acagaggctc 480

tgtgatccgg cgactctggt

500

<210> 23160
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23160

gcgggatata gcctgcgggc gttcttcagc agcatggctc tactctggca tggcgtttcg 60
catggccatt gatctaggac tgcacgtttc ccccgacgat ctacaacgcc actcgacctc 120
gctgtcggcg gaagatgtcg agattcgaaa acgtttgttc tggagcctat atgcctggga 180
caaacacatc agcctgtacc tgggcagaat gcccaatttc accatgggtg ccgaaaacgt 240
ttcgcttgag ttccttgatg actttaccga agaggacctg tgggagccat attacgggcc 300
tgaaccggcg tctgccgaac gccgatctta tcccccaacc ccagggcata tcgtttcttg 360
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tccgcaacca accagccacc caagctcatc attagacgcc cggggcggcg cattcgtgac 480
gatcaatcgg gaccttcatt aatggtacaa agccctacca tcttttctac agataccctc 540
cgacaaaatc ccggagatca gtccccgcc gcacatcaca tctctcaatc taatgtatca 600
tactacgctg attcttcttc atcgcccta tgtcgtagc ggacatgcgc gcgactccga 660
cgcggcacga aagagttgga aagtttgcg ctctcaaca actactatct accatctgct 720
tcaaattgat acgaaaactt tcggattcca acacatcaca tatatgaaca gttattgtac 780
atacacggcg gcgacaacgg cagtgtatca gctggaaact tcagatggag aacctcgcgt 840
ttccgatcaa 850

<210> 23161
<211> 720
<212> DNA
<213> *Aspergillus nidulans*

<400> 23161

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atgatacttg cgataactta gcctccattt tagacaaccg agtcttcgcc tccagctctg 120
cagaatacaa ggagtcggtc tcctcttact tcagttttca agagcagaac ctccagccgg 180

cttgtgtcgt ccagccaaca accgcgcaag agctatctgc agcaatcgtg ctcttggcgc 240
gcgattatca tgaccatggc cagcagttcg ccatccgcag cggcggccat atgatccccg 300
gcggcgccgc aaatatccat ggcggcgtga cgatcgatct tcgcgctatg aacgatatag 360
acctgagcag cgaccgatcg aaagtgcaga ttggaaccgg cgcaacctgg ggccaggtat 420
acaaggtgct cgatccgctc aacattaccg ttaccgggtg acgggctgtc ttgatcgggg 480
tcggcgggta tctgactggc ggcggtctct ctgcgcttgg tccagcaacc ggttggggct 540
gtgacaatgt cctgtaagtc gaggtggtcc ttgcaagtgg tgaaattgtc caggcttcgc 600
gtacgtcata tctgatcta ttcgttgctc ttgcggcg atccaacaac tttggcgtgg 660
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<210> 23162
<211> 812
<212> DNA
<213> *Aspergillus nidulans*

<400> 23162

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cgtataaagt gcagacggaa gacggattca ttcttacgct ctggcacgtt tacgatcctc 120
atgaatatag tctcttctc gccagcgagc gagggccacg cggggccacat gttttcggcg 180
gacagaaaga tccaaagaca tttggtgatg ctgctcgcg gaaatacccc gtactcttga 240
tgcatggcct gttgcagaat tctggcgctt attgtgcgaa tgatgatgac agtcttgcac 300
tcttctgtg caagtctgga tatgatgtt ggctgggaaa taaccgctgc gggcttgagc 360
cagagcatat aacgatgcta gagtctgatc cccgatgtg gagctggacg attcagcata 420
tggttgcttt cgacatgacg gctctcatat cacgggttct ctatgagaca gggatatgaga 480
aactgggtct ggtatgccac tcgcagggtg cggcccaaac gttcgtggcg ctggcaaagg 540
accaacgtcc cgaactaggc gagcgcatct ctgtcttctg tgctctagca ccagccgtat 600
tcgccggacc gcttgttgag cgcgtctact ttcgatttat gagactaata tagaccggaa 660
cctttcggct catctttggc atacactcgt tcatccgctt catggtcacc gatcgacggt 720
ggcttcatgc tcacatatac aggcagataa gctacattgt cttttgctac ctagtcaact 780
ggacagacag gcgatgggac tatgaactcc ta 812

<210> 23163
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23163

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ggcgctgacg gcgacggcaa cggaaaatgt taaggctgat gtgtacacaa ccttagaatg   60
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gcaagggaaa gcatgccgaa cttcttgaca gcatagcgga cacaatcaag tcaacgtatc  180
gaaacaaatg tggcatcggt tattgcctct cacgaaacac ctgcgaaaag gtagctgaag  240
cccttcgaac aaactatagc atcaaagccg agcattacca tgcaggcttg gatgcggaaa  300
cgcgcgacg gactcaacaa cgatggcaag ctggagatgt acatgttata gttgctacga  360
ttgctttcgg tatgggtatc gataagccag atgtgcgatt tgtaatacat cacagcattc  420
ccaagagcct ggaaggatac taccaggaaa ccggacgcgc tgggctgat ggagacgct  480
ctggctgcta cttttatttc tctcaccggg atgtcagtac aatgcagagc atgatcgaaa  540
agaacgagga ttctgacgac gtacaaaaag gtcgacagac cagaatgctg aatgacgtgg  600
tgaaatactg tgagaatgca aatgattgca ggagagttca gataactgca tatttttagcg  660
aatcatttaa gcgccaggac tgcaatgctt cttgcgacaa ctgcaaata ggggacacct  720
ttgaggtaaa ggatttttca gagcacgcct cagcagcaat taagattggt cgggtactttc  780
aggaacggaa cgaaagggca acactttcat actgtgtgaa catctttcgt ggaacacgat  840
gtcattcagg                                     850
  
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<210> 23164
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23164

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cccgaagaca agacgctcgc gcggccgaag ggcaacagta gacgaaaccg cctcccttat  120
ctcgaagaca agcatttcag aggaaagggg gaacagcagt cctagccctt tcacaacaac  180
acctatcatc actacctctg atcaattcag cccgatatc gaacggcgag actcatcctc  240
  
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cacgattcat agtcaaactc acgccctgcc agtccctcca gttcaacatc aacaaccccc 300
 accaacaact aacaaaacaa cccgccgctc agcctcta at ccgcctccgg cggccccgcc 360
 tcctcgccgc tccaccacc atcacctcca cttctccagc cactgcacac ccgttgcaag 420
 cttaaagcct tcgcgccttc catcgcaaca aggtagcatc acccccactg ccaccggcac 480
 tcaagcccag cttccgaacc aaggtcaaaa ccagagccac aagcaagctc aaaagcccga 540
 accaccagg acacgccgtt cgggccgcaa acatacattc accgattcgt cagacacgtc 600
 gctgtccagt cacagccaag gcgtgaatag tattagcagc tgtgcgagca acggcagcgg 660
 aagtagcggg gttgccacaa cgttcttgca tccggattat cagtatcagt attctcataa 720
 caattcgtct gctcctgctc ctggatttgc tgccgcggcg gttgggattg tggaaagaga 780
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 agaggctttg 850

<210> 23165
 <211> 680
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23165

aaatcatgtt cccctcatgc tggaatggca aggataccga ctctgacgac catgcctccc 60
 acgttgcccta cccctcgctg gtcattggacg gcacttgccc cgagggttt gagaccgcga 120
 tcgtttcgtt cttcttcgag accatctgga acacctacgc cttcaaggac cgcgacggat 180
 actttgccct ttccaccggc gaccctactg gattcgggta ccacgccgat ttcattgcacg 240
 gctgggagtc tgggtgtctc gaggaagctg tcaagacctg caccaacccc tccggcgagg 300
 tcgaggactg ccccggtgtc gaactccagt ccgagctcgc gcaaaagctg tgcagcgttg 360
 acattcccga catcctgtcc agcgaagacg ttaaaaaggt caagggcggg cttcccaaca 420
 agattgccgt cgaatggggc cctgagtacg ccttccttat caagtacgtc ggcgaagagt 480
 cctcgactgc cgtcccaacc tccaccgctc cccaaagcac ctctgacgcg ggtctgggcg 540
 tcagcctctc ttccgctctc agcgatcttg ccggcaacat cttcgccgct gatgctaaaa 600
 ctaccgaggc tcccactacc acctcgacct cgacctcgac atggactccg acgcccacca 660
 cttcttatat cgagagcacc 680

<210> 23166
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23166

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atctcgacaa cagtcaacat gtcttcatct ctctggaccc ctacaccacc cccagccga 60
acgccctacg caatacccca gctagaagga gaacgtctta cgattcccgg cagcaagggc 120
acatttcgga tccttgcgct ctcaaagcag accaatggct tgatggccgt attccaaagc 180
ggcgcgactc tctccgacgc accagggttt cattaccata accacgcgca tgatgtgttc 240
ctcgttacaa agggctatct taaactgtgg aatggggaca agtgtcggat tatggggccc 300
ggggattttg cctacgtgcc gccggtacct accacttacc ctgtactctt cgcggaggct 360
cgtgttaacg tgatcaggcc gttgtccaca accctgaact cctgggcccg cacactgaga 420
cctttggcgt cgtgacccca ggcgactgga ttgacttttt ccggtacatc tccgagccgt 480
ataccggcat acttgttccc 500
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<210> 23167
 <211> 550
 <212> DNA
 <213> Aspergillus nidulans

<400> 23167

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taaaccttat gtatatactt atgtatcata cacatacgat ttaggtgaca ctagtataat 60
actatgggat actggcgcct gcacatgagg aacgagcaat tacctacttg atgaactggc 120
agcactacct gccctcctat accagtacac attcacagat atctcctatg ccctggccac 180
cttggtctgc aagcgatata aggcttacga tttcatgcgc tatacaacgc tagatattga 240
gaatgatcct tcacctgagt tacagggaca gtacgatatc ataatatcca caaactgtat 300
ccacgccacc cggaatttga tcaactcctg cacaacatt cgagaggttg tacgccccga 360
aggcattttg tgcttgattg agttgacgag gaatttggtc tggtttgacc tcgtctttgg 420
tcttctcgag ggctggtggc tgtttaacga tggtcgttcg catgctttgg ctcacgagcg 480
tctctgggac cacaacctac ggcaagcttg gattcaactg ggtagattgg acagacaacg 540
actctgccga 550
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<210> 23168
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23168

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gaccggaatc acatcgacgc tgtctcttct ctctctgga gagtctctgc cacagcatct   60
ttttatacca tctcgacact ctacgtctct ttccgaagag gaccggaact acctagcaag  120
taagggcggt ttagatctac ccagcagcgt cgcttgtaa tgccttcttc aagcatatct  180
ccgtcatgtt cacactatca tgccgatcat tgaggcagat cagatactgc actttttcca  240
ggccgggaga ctgcaagagt ataacttgct tctggtgtgg agcgtgtttt tcgttgctgt  300
aaacgtaagg tttggtaaaa gatgatggta tgttcgaaag ctaatagctc atagtttatc  360
ccgtcgaata tatgcgagcg agaaggatat gagtctaaga aagtaatgaa agcggccata  420
tactcccgcg ccaaggtaag gaatccttca agtcttactg caccacggcc aacgagaaaag  480
aaaaacagtg cctatacaat aatagtgggt agcgggacaa gattgttctc ctccaagcct  540
ctcttctttt gggcttctgg cactccgaag ccgatgagca ttogcaacca tggatttgga  600
gcggtatctc tgtcagtctt tgccagatgc tgggactgca tcgcaatccc gacacaccgc  660
gatacaacac agccatcatg gaccgtcagc gtcatttggt gcgtgcctc tgggtggacgt  720
gcttctctgc tgaccggtgg ttgagcctta ctttagggcg accgctacgt attgatctgg  780
acgattgcga tgttccgatg ccatcagtct cagatatcat atacgacttc agggatgtcg  840
accctacggt                                     850
  
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<210> 23169
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23169

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cattgtgagc ccacctggca agctcgaaat gaaccgtgac agtgcaccga cagcaaattgc  120
ggacgagaat gaggacacca acgcagatcc tccatattcg caactcatct acgaagctct  180
ctcagccgcg cccgggaaga aattacctct tcagggtatc tatttatggt ttgaaaagaa  240
  
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cacagccaag gggaaggatc ggagctcgaa gggttggcag aacagcatcc gacacaatct 300
gtccatgaat gcagtaagtc cgctttcgtt tatttctgaa gtgtctgctg acctggttga 360
caagggcctt gaagctgttc gggaagagtc tacgccaggg aagaaggcag taaactattg 420
gcgcctgacg gatgaggccg taagcaacgg catccaatct acaaccgggt atagaaaaca 480
ggcgaattac aaaaagccag 500

<210> 23170
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23170

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agaatccgtg ctaagttgtg atataagaca ctgcctccat gatcgtcgaa accatctggc 120
ctttatccgc ggtctcactg cggagtgatt cagctacagg atgcaagggg gtcttgccctc 180
tgcgtaacctt tattcaagaa acactccgcc ggtcgcggac gagctacagc acgttgccagg 240
tagcgtctta ctacttgatc aagatcaagg cgcacgtgcc aagttcagaa cagacgcagg 300
atcagtcgcy atcgagacca gtctgccggg ccatgcagtg tggccgacgc atgttcttag 360
ctgctttgat ccttgccctca aaatatcttc aggaccggaa ctattccgct cgtgcctgga 420
gaaagatatc tggctgaac acagcagaaa tcaacaaaaa tgaactgcta ttcttggaag 480
ctgttactga aaactcgcat 500

<210> 23171
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23171

cgtcttcgtg ggatgaagta cttgcgtctt gacgggttcta caaaatccga tgaccgatca 60
gacttgctga agctcttcaa tgccccagac tctgagtatt tctgcttctt gctctcaaca 120
cgtgctgggtg gtctcggctt aaatctgcaa accgctgata ctgtcatcat tttcgattcc 180
gactggaatc ctcaccagga tctccaagcc caagatcgtg cgcaccgtat cggtcagaag 240
aacgaggtca gaatcttgcy actcatcacc tctaattctg tcgaagagaa gattttggag 300

cgagctcaat ttaaactcga catccaccgc aaggctcattc aagcgggaaa attcgataac 360
 aagtctacca acgaagaacg agatgcactc ttgctgactc tgctcgagac tgctgaggct 420
 acagatcaag ccggagacca ggatgagatg gatgatgatg acctgaacaa cataatggct 480
 cgatcagacg aggaattggc ggttttccag cgcattggata gggaacggca gaagacgtgt 540
 ccatacggcc ctggccacaa gctgccccgt ctgatgggcg agagtgaact cccagagatc 600
 tacgtgactg aagagaaccc cgtcgcggaa gaagctgctg agatagagct ttctggtcac 660
 ggtgctcgcg agcgtaagat tactcgctac gacgacggcc tcacagaaga gcaatggctt 720
 atggcggtgg atgccgatga cgacaccatc gaggatgcga ttgcacggaa agaggcgagg 780
 gttgagaagc gtcgttccaa caaggagaag cgtggctgta aggcgcaagg cgacgagtcg 840
 tcgcccgcgc 850

<210> 23172
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23172

agctttgctg atatcttcca gaccggccag cacctcagcg caggcgagcg tgctgggaga 60
 ctctccgcac gcgcagcgaa ggagctcggt ctgccccctg ggattgccgt cggggctggg 120
 gtgatcgatg cctatgcagg gtggattggc actgtcggca ccaagatcga tggcgttgac 180
 gtagtgggca atcacaacag ggcagacgct ttcaatcgtc tcgccgcagt agcagggaca 240
 tcaacctgcc acatcgccat gtcttccaat ccggttttcg tccccggcgt atgggggtcca 300
 tatcgcgata ccgtcttccg tgggtgctgg atggccgaag gaggccagtc tgccacgggt 360
 cagctgctga aacatgttct cgacacccat cccgcacga aatctgcctt tgccgttgct 420
 gctgaccgcg ggttgatat tttttcgttt ctagacggcc atctcgctgc actagctgcg 480
 aaacagaacc taccgtgtat cgccgctctc gcccgacact tcttcttcta cggcgacttc 540
 ttcgggaaca gatcacccct ggccggacccg aacatgaccg ggtccgctgt tgggtctcact 600
 gccgatacct cgattgacag cctggccata cattactacg gcacgctcga gttcatcgca 660
 ctgcagacga gacaaatcgt cgagacgatg aacaaggctg ggcattgtat tacctcgatc 720
 tttatgtctg gatcgagtg taagaatagg actctagtca aactcatcgc caccgggtgca 780

acatgcccgt tattgtcccc cgagccgcca cgtcgaggcc gcggtgtgtc atggagcagc 840
catgttgggc 850

<210> 23173
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23173

cattagtggc catgaagagc ctgacgctga gaaaccagag tgtttcggac cagggagcga 60
tatagcaaac gatgaccag ccactcttct agcaactatt cacgggacgc atttgctcgt 120
agtcaacaag ttctgcatgt tccggccgca actactgcta ctgacaagcg actcgtaccg 180
gcgacaacgg gagccactgg acctagttga tctgagtgt gcttgacagg tcttgacctt 240
gttcgataca tcgtcgcaat ttgtcattta taactgtggg ccgacgggtg gtgctagtag 300
gcagcataag catctgcagg tattgccgcg gccgccgaga ctattcccag atgacgagaa 360
tgacaacaaa gctgtgccgt acaaataatt ccttcgttat ctccgtgacg ttgagctcgg 420
aagtccagag gggcaaaaga agctttttga ggtatacagg gaattgctcg ccgaggccaa 480
gcagtctctc cgggggtatc 500

<210> 23174
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23174

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ccctgtccat gtcattaaga tatggcttgg caggctaatt gtagcagggtg gtcaacgcag 120
acctttacca tagcgcaaata gacgccaatc tggatttttc cggcctatcc tatgctgata 180
attgggcctc atgctgggct ttatgcgcta agttgaagcc ctctagagcc ctgcccacat 240
ttgttggggg cacgactatc caggagtggt ggttctggt ttcatgatg gtgtattcgg 300
ccttcattcta ccgattgatg tcccagaagc tgccaaggga gaatatccgg cctgggatgt 360
ttgtctctgt tggcccaagc gcatttacgg tagcaggact tgtgactatg gctgctcagg 420
cgaacagtgt tttcccgat gatatttatgg gcgacggcat tttggccgcc aacgtcttaa 480

agatcgtggt caatTTTgcc tccttatggc tctgggggtg agtactTTTg ctgccacaga 540
 tttccaagct gacctctcag tcttgcaata ttcttcttct tcatcgcaag cttcgcgcac 600
 ctatccgcca tgggccctgg gcgaatgatt ttcacgatgg gctgggtctc gtttgtcttt 660
 ccgaatactg cgctgatcac gtcgacattt gcagtgggaa atgcattttc ctgcaaacct 720
 attctaatta taggggtgtg catgggttatt cctcttgtgc tgatgtggct cttcgttggt 780
 tatatgatga tccgcgctat aatcttacgt cacatcctct ggccacagaa aggagaagac 840
 aaagacgagg 850

<210> 23175
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23175

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 acaaaaacaa gcaaggcgtg gaggggtgagg gcatccagtg taccataaag ggaataacag 120
 gtgagggaaa caagaaaagg tgggtcagat ctatacatct tcatttttta cgcacgggtg 180
 accgatgcat atctcgtgaa gatacgacgt gcaggaccgc gaacccaacg agaacggcga 240
 acaaggggct gtctataaga ctacggcggg gtccttgatt ccaattccac ggataggggc 300
 cgcattgcct tcgttcccag ttggaaaaca agtccttgca cggtagcctg acacaaccac 360
 attctaccgt gcagaagtga tgggtttgaa gaaagacacc taccgtctca aatttgaagg 420
 cgaggaagat gacaaagaga tggaggtaga ccgacggttt gttctagaca taggtggcaa 480
 gtgaaaatgc ggtttgggcg 500

<210> 23176
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23176

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 acatccgccc ggaccgggtc cgctgttcag cgaatacatt aaatacctca gagaacagcc 120
 aacggctgaa gctctcgaat actggaagcg gcgtcttctt gatatgcctc catgtcacct 180

gccaatat gcgagtga atggagctcg tcaacttga actcacttgg ttgcgttcaa 240
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 ccttgcaagta tgggcatag ttcttcggag ccacacaaag tctgatgacg tctgcttcgg 360
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 caagtctgta caggaagatc atattgccag ccttgcgtag cagcggctt cacttgccga 540
 aattcagcat gcccttggtg ggaagggaga gccgttattc aacacgtgca tatccataca 600
 gaaccgttcg gaagataaga ccgagattgc tgggatatcg tatgagtttc agaaggcaca 660
 cgatccttgc gaggtaggtt gaaaaccctc tatgggaggt ttcagactaa caagatctta 720
 gtatcccctg acattaaacg tcgaaagcgc aagaggatac gagggatttc tgctgaggta 780
 ttgggctgat gctgtctcag agacagaagc ggctgccttt gcccgtagata ttgcaaaagt 840
 cttgacatgt 850

<210> 23177
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23177

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 ctcttttga ttaaactaa aactagatac tagccagttt actattcgtc ttggagacat 120
 ccttcgtttt aactgctgta attgtaatgt ctgacgacag tgacaagcgg aaatcgggtcc 180
 taatcacggg gtaagcctat ccttaacatt gggctacact gtagctagct cgactcaggg 240
 aatccctact gagccttgcc tacccttga tacagctgcg ctcccggagg aatagggat 300
 gctcttgctc gtgaatttta cagaaatggg ctgcgagtat ttgcaacagc tcgaaatgcg 360
 agtcagcttg aggatcttga agccatagga atcgagacgc tgagtttgac cgtcgacgat 420
 gaagatagcg tccaattatg ctttgcagag gtggagagga gactgggtca taagggtcta 480
 gattatctgg tgaacaacgc 500

<210> 23178
 <211> 668
 <212> DNA

<213> Aspergillus nidulans

<400> 23178

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cagcaaaatg agcaactgat tgatgcctgg ctaggatttc ctaaccacag tccccggcct 180
ggaagccatg ttcaccggaa cattccataa ccatatagtc tgggacacgg catccgcatt 240
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agaccctaag tccagagtta attgtggcta gaatggcacg ccatctcctt aaacgagacc 420
atgaacctcc tcatcgccca gctgacagcg cgcattctca tcggcgagga actttgccgc 480
aaccgcgact ggatccagaa tgccattagc tacaccgcgc accgcacagc tgcaatgaag 540
gaattgcatt ggtatggccg gctcattccg ctagcacact ggtttctccc gtctgcagg 600
gcgcttcggg ggtgtgtgag ggctggaaga ccgtttgttg aacgtgtttt ggaagctcgt 660
aggaccac 668

<210> 23179

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 23179

aagcatgtca caccagattt tattgggaaa ttgaaaagg cagctgatgt ctttatgttc 60
ggagaggtct atgagcgatc tgcgcacata atctgcgggt atcaaagcaa tatcatgccc 120
agcgtcacta actaccgat ctacttcgct cttctcgacg cttcaccat aggcgacaca 180
gaatcccttc ccaatcaagt cgaaagcatg aagagcaaata gcccgagcgt gacgagttta 240
accatttttt ctgaaaacca tgatctgccc cgattcgcaa gcttgaagga tgacataaat 300
gtaagtcgcc ttaaaccctc tgcgtcgccc attagactca ataatttcag ctgcgaaaaa 360
atatacctaac attcaccctc ctcttcgacg gccttcccat tatttaccaa gggcaagagc 420
agcacttctc cggctcaaca gaccctcaca atcgcggaagc cctttggccc tctgcgtacg 480
acacctctc cccactttac aacacgattc acacgctgaa cacaatccgc aaacacgccca 540

tccagatcga ccctgactac tacataaatt acaacacata ccctgtctac cgcggtatcct 600
 ctgaaatggc cttccgcaag ggccgtgagg gcaggcagat tatcatgggt ctctcaacgc 660
 aggggagcaa tagcggggct tacacgatcc gcatgatgaa tggattccag ccaagtgttg 720
 tcgcgaggga tgtatttagt tgtcggactt ggacagtgaa tgatatgggg gaactgaggc 780
 ttgatatgga taaaggggag ccgagagtgt tgtttccgga ggcgttaatg agagggagtg 840
 ggctttgtgg 850

<210> 23180
 <211> 523
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 23180

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 gcaagagtct ctgaatgagc atgcctcaac gttcctctac atctctgcat cctcaggcgc 180
 cccgattctt ccgagtagat acataacaac caaacgagaa gcggaaacaa cgatagccac 240
 tcagcttcca gagttgcgga gcattctcgt ccgccctcca ttcattgtatg attcgagcag 300
 gaagctcacc ttgccgatcg ccctcggcgg cttcgttgca tcgcaactca atgcgcttgt 360
 gggtaacaga ctaaatttct ttggctcgat ggtggacaag ccgttccaag tggacatggt 420
 aggcgaggcg gtgggtggaag cgctggaaga cccgtccgta agcgggccgg tcggacaaaa 480
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<210> 23181
 <211> 570
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23181

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 agactggcgt taaggccggc gtaagcaagg tggttcccg cgttcattgat cgcgtcctta 180
 ccgtgactgg tgctctgagt ggtactgcta gagcttatgc tctagtcgcc aagggactgt 240

tggaaggagc cccgcagatg ggcatgggtg gaattgtttc caacaacggc acccatcgta 300
 agtcttacct attatgtact cacagacttt gtcttgggtc tggacgcctg cttacgttcc 360
 ttagctattc gactgttgat ttctcataac caaatgggca ccattatcgg acggcagggg 420
 ttgaaaatca agcatattca ggacgcttcg ggtgtgcgta tggtcgctca gaaggagatg 480
 ctgcctcagt ccaccgaacg cattgttgaa gtgcagggca ccccggaagg aattgagaag 540
 gccatctggg agattggaaa gtgtcttatt 570

<210> 23182
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23182

ggccaagggg tatgagtatg gacgtactgc tgttcatatc agcgagaccg atgagaacat 60
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 acgtactgct cgaacctacg actcgccttc cgcgactgac attcccagta tgaccgatac 180
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 gcactatcct ctttcatcca tgccctgttt gaacttgaga gttatgccgt tgctcgtctg 300
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 ccacctcttg accatgtagt taccgtgtct gggaagggtg taacgcagca tcgaaacctt 480
 ccaaatgacg accttcttga tgccatggac aaatacgtag atagcatgga gctgaagggc 540
 acagacgagg atgggtaaac tacccaacat gcctcgatat gtacacatcg ctaacgaata 600
 cagagacctg gtcaatacgc ctttcccaat tgatgactcc ttctcgccag ttctacaccg 660
 cgtgaacgcg ctgattcgct ctcgagctat acacccaaac gaccccatcc cgccaccagc 720
 aaggatcctc actcaattct cgcaaccacc agagcacctc ctcaaaaacg cagaggccat 780
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 cacaagagat 850

<210> 23183
 <211> 500

<212> DNA
<213> Aspergillus nidulans

<400> 23183

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aagagggggac aaagccggaa aagacacact ttaacactat atacggtcac cttactcaca 180
tctcgtgcc a gatcattgaa aggttggccg atttcaaacc agaacatctt gatgaacttt 240
tcaagagtca ggatactggc agtgctcttg tgtctactct cttcgcagcg gaccacaata 300
cctatcaagc cgctgtagac ctcatcaaga atgttagcgg ccagtctgct cggagagacg 360
cgatctccca cttgctacag tctttcttca ctaccacgtt gtacgggctc agctggtcct 420
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ctgatattgt ggatcataga 500
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<210> 23184
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23184

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ttactgcagc ggccagatga agacgtttgt ttgcaaagcc gtccatatat ttcaagagct 180
ggggatatgg gccgcagagt actttatcag ggcgtcgggt gaggagcttc tgagtcatgc 240
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gtctaagtca ccggttcctg atatagacgt ccactccact gacccaaggt attttcccg 360
ctccccaaa ttcgaggctt tgatatcggt cttgatgagc accgaagaca taaacttctc 420
cggctctgatc ttcttggaac agcgagcggc tgttaccgtc atgtcttacc tgctctctac 480
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aaataggaaa actatgctag gagaccttct ctcggaacaa atgcagcccg acacgttgga 600
tgacttccgg tacggacgga agaacctgat agtcgcaact gatgtgttaa aagaggggat 660
tgatgtgagc gcctgcagtg tggtaatttg ctacaacata ccgaaaggct ttgagtcggt 720
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catccagcgg cgtgggcgtg cccggcgtca aaactcgaca tattctatga tgttgtctac 780
agaggatgac ggctccacac tggacaaatg gcagaagtgc gagaagatca tggaggaagc 840
ttgcctagag 850

<210> 23185
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23185

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tcattgatgg tatcagcgtc taccgcagtg gtcaacgtat gggatgatgc ctgcgcgcga 180
agatactcaa gagccttggc cccgaggttg tcaaggacat tgacgtgggc atccccatcc 240
cggagacgtc aacaacctcg gctgccgctg ttgcccgtta tctcgacaag cttactgcc 300
agggcttcgt caagaaccgt tacgtcttcc gcactttcat tatgccggaa caaagaccc 360
gtcagaaggg tgttcgccgt aagctgaatg ctatgcaaac cgaattcaag gaccgaaatg 420
tccttctcgt cgacgatagt attgttcggg gaacaacgag tcgggaaatt gttacaatgg 480
ctcgtgaagc tggtgccaag aaggtttact ttgccagctg ctctccggaa atcacgtatg 540
tccaatgtac ctatcatgtt attcctgggt catctgctaa tatttgacag tcacgtctac 600
atctatggta tcgaccttgc atctcctaac gagctagttg cacataaccg tgacactgag 660
accatcgcca agcacatcgg tgcggacagc gtcacttacc agacgcttga agacctcaag 720
ggcgcttcgc ctgagattgc tcaagaaaac ggcctggagc atccgcgtaa tttcgaagtt 780
ggcgtctttt gcggcaatta tatcacccca gtttctgaag gctacttcga tcacctggaa 840
aaaatccggg 850

<210> 23186
<211> 518
<212> DNA
<213> *Aspergillus nidulans*

<400> 23186

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tcacgtcagt gcagtgattc tgctgagaag tatctttact gacatgctct agacaccaag 120
 gaaaagcctt acgagtgtag tgtctgccat aagcgatttt cccgcaggtg agttaactcc 180
 aacctgcacc aactgcgacg ctgatcgcta tcccaacagc gatgtgttga gccgtcacgc 240
 caaaggacat aatacgaatg gaacagctgc gactgcgact ccggcgcaga ataagccgcg 300
 cgctccgtcg accgcccagc ctcccactcc tcagcaaccg cccgctcaga ccgatacctgc 360
 ccgcttcctg tcaatggacg gcgatgctca tccgtcgcac aatctccctg tcgcgcgcgcg 420
 cgatatctcg ctttccaatc ctgccacct ccagtcttcg tcgctgcact ttgtcgcgga 480
 catcttcgcc caccatgggc cgggccgacc cgatgtcg 518

<210> 23187
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23187
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 ttacagccct ctgtgtttca ggcgtgctca gtctagagga ctcagtcaag ttgatcgctg 120
 gccgagccaa gctagtgcag accgcttggg gggctgactc tggttccatg atggccatcg 180
 aggccgacgg agccgtggtg caagatctgt tacaggaatc aaacgcaaga tccgacggaa 240
 ccgcaggcat tgcattgtac aacggccctc gcagcttcac cgtggctgga tcaaccaagg 300
 ccattgacgc atttcgacgt acgctgccag gaaaggaggt caagagcaag cgtctaaacg 360
 tcaccaatgc attccactcc gccttagtag agagcattgt cgaccgtcta ggggaggttg 420
 ggaaggaagt caccttccat gacgccgtca tccccataga acgagctact gagcatagcg 480
 gcgacgctac gttggactgg acctttgtcg gctcgcacat gcgccggccg gtctttcttca 540
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 ccaactcgac catcaccgtc atggcgctgc gggcccttgc caaccctaag tcgacgcatac 660
 acttccagtc catctccatc accaatacaa acaagggcat cgccaggctc accgatgcaa 720
 cggtcgacct ttggaaacag ggcctacggg tgtccttctg ggcccaccac cgcttccaga 780
 aggacgagta tgcgcagctt ctctgccgc cttaccagtt cgaaaagaca cggcactggc 840
 tcgagctcaa 850

<210> 23188
 <211> 782
 <212> DNA
 <213> Aspergillus nidulans

<400> 23188

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tgattcaata ttaatgatgg cggttgagag tcgccgagct gaagctctca aatatctcct 120
aagcttgggc gagtattact cggttactga cgtacttgag gatacgaaca cagatggaac 180
cactttactc agtgcctgctg ttcagcttgc tcaaaccgag attggttgacc ttctactcga 240
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gcgagggcgc acagccgcac attatctatt tagcacgccc gcagtaatgc gaagactcaa 360
aggattactc ccctggcgcc aacgtgataa gcttggacag acgccgcttt tcgcgttggtg 420
tagatcatac gaccatcctg aatacaaggc aatggtgaac gaggccctca cagcagctca 480
agagtctcaa ggggatggcg agcctttgca cctcgacgat cacgtcgact ccagaggcaa 540
tactctcctg cacatcgta gcgatcccga aatcaccata cgcacacctca gagaaagtga 600
ctgtgaccca aacgccacca atgacaagaa attcacgcct ttaatgatgg ccagtaaata 660
tgggcggtgc gaccaagttc gcacacctct ctcggactca agagtggatc atcacctcaa 720
ggaatcccgt ggattgactg ctatcgagct tgccaaggat gatgaagttc gaaaccgcat 780
tg 782
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<210> 23189
 <211> 614
 <212> DNA
 <213> Aspergillus nidulans

<400> 23189

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ccatggcctc aaactactcg cccaaatact ttaatatcaa tttcccacaa gaatatgtcg 120
cccacgtcga gatcaaccgg ccgaaccagc taaatgcgtt cttcgaggcg tatgtccgca 180
atacaagcta cccctcccggt ccctcataac cttacggagc aacgatgagc taacgtttat 240
atgagtttgt agcatgtggc tcgaactcgg ccaactcttc gccagctct ctactgaccc 300
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cgccgttcgc gcaatagtca tctccggcgc tggcactaaa gcattcacag ccggcctcga 360
tgtaaaagcc gcgtcgcagg gcctcctatc atcagactcc aaggccagtg accccgcgcg 420
caaggctgtg cacctccgcc gcgaagtcgg ctcgttccaa gattgcgtct catccattga 480
gaaatgcgag aagcccgta tgcgtgccat gcatggtttc tcaactcggtc tggcgattga 540
cctctcctct gctgcggatg tgcgcttctg tgcgaaagat acgcgcttcg cggttaaaga 600
agtggatatt gggc 614

<210> 23190
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23190

acccatggct tccagttcag cattaagcta actctgaata gcccgccctg ctctccctaa 60
cgctcacagc tctcctcgca actcctgtcc ttgcattctt gcttgctctc ttcgggtgcc 120
cgctaacgac ccaccacgcg ctgaccttcc tctgcgcggc acatatggcc gtcctctcaa 180
ctttcccgtt tatctacaca cacggcgctg atggccccgt gtggagagag atctggggag 240
cggcgagacc atttgatact gtgtgggggtg gcgctctggg aacttgtttg ggtgcctggc 300
ttggggcagt gccgattccg ttggattggg atgtctagca tgatttttct cccattttt 360
tcttttcctt caagcgtgga tggctgactt gttatttggt tgtgtgtagg gatcgtccgt 420
ggcaggcgta tccgattacc attttaacag ggcggtatgc ggggtttgcg ctcgggatgc 480
ttgtggggag ggtcaaaggt 500

<210> 23191
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23191

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gaagacgtcg caagacgaag aagtacttgg ggacatatcg gagcagctct tggccgtctt 120
ctgcgatttc cctgagacga agaacataat aattagcgcc catggcatgt taccaatatt 180
ggagattctt gacctatgcc gccgccgca cattactttg tgcctactga aaattgtcaa 240

tgcaatcatc tatgatgatt acgaaataca ggaaaatctc tgctttgtcg gcggtattcc 300
 catcattaac gaattcgcg cgaaaaaata tccccgggaa atacggctcg aagcagcagc 360
 gtttgttcaa cagatgtacc aaacatcaac cttaccctt caaatgtttg tcagcgcggg 420
 agggttaaat gttcttggtg agtttttgga ggacgattac gaggatgaac gtgaccttgt 480
 tctggttagga gtgaatggca tctggagtgt ttttgagtta caggtgcgta gcagcatctc 540
 tttctgttgc aacgggtacc gatattgaca ctacacaggg ctcgactccc aaaaacgact 600
 tttgcagaat tttatcacgc agctccgttt tggatccttt gtcccttgtg ttgagccgag 660
 tgttggacga agaaggcgag ttggccgagg tctggaagg ccgcattgca aatatcttct 720
 tcattctctc gcaagctgag aatcatgtca aagaaatggg atcggagcgc acagtcttac 780
 atagtaaggg ctttgatgca tggatatgtt ttcaggtact gacgatggct taggggttta 840
 aaagaattga 850

<210> 23192
 <211> 631
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23192

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 aatattgttg taacgacctt tgagacactt tgcagtgatc tctggttctt tcagaagaca 180
 ctttggggcac atgtggtcct cgacgagggc caccgcataa agaacagcag gtctaagcga 240
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 gtcaagcaca ccgccattac atgaactgac attcctcctt ccagcacacc tattcaaaac 360
 gatctaactg aactgtggtc tattttacat tggctgtacc cggatgtttt cgtgccagcc 420
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 ctacgccaca ttaccgcgtt cctaaaagtt gtaatgttac gccgaaccaa atgtgattct 540
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 ttgcaactgg gttggtatcg cacgatactc a 631

<210> 23193
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

 <223> unsure at all n locations
 <400> 23193

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tgccgtcgtg cgagacagct gacaaggaat tcaccagtgc gagaagttct ccaagaaaga  180
agaagccctc gagaagattc gtaacggggc gaagttcgat gaggttgcca gagagtattc  240
agaggacaaa gccaggcagg gtaagtactt tccctctcat tcgccttttt gcatttccgt  300
gtctatctac aagcgcaagc aagtacttat acgcccgttt gactacaggc ggctccctag  360
ggtggaagag caagggcgag ctagagcttc cgttcgagga ggttgctttc tcgctggagc  420
agagtacgac tgggaacccg aagattgggg aggcaaagac tgggtacgga taccatatta  480
ttatggtgga ggggaggaag                                         500
  
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<210> 23194
 <211> 701
 <212> DNA
 <213> Aspergillus nidulans

 <400> 23194

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aagatcaact ggccctacct attccgacag cgcaggcgct tggaggagaa ttggacaaaa  180
ggacgattca cgaattttca acttccgcac cccgcgcata tggaggaagc tcatcaggaa  240
tgcgtatatg ctatccagtt catcgggaaa tggcttgtca gtggcagccg agacaaaact  300
gtccgagttt gggaccttaa cacaaaaagg ctctggcatc gccccttgat tggacatacg  360
aaatctgttc tgtgccttca gtttaacccg agcccgtccg aagacattat catatctggg  420
agtagcgaca agaacgtcat tgtctggagg ttttcgacag gcgagaagat ccatgagatc  480
gcccctgcgc atgatgattc ggtcctgaac ctccgatttg atcatcgta tctcgtgacc  540
tgttcgaaag acaaacttat caagatttgg aatcggaaga acctgtcacc agccgacaag  600
  
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gattatccta gcgttcatca gggctcggga aattcatatc cgtcatatat cgtcgacacg 660
agcgtgatac cttctcctgt actagaagaa taaatagctg a 701

<210> 23195
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23195

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ctgatggccc ggttcgccgg ctttgaggcc gtcttcattg atatggagca ctcgccctt 180
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gtccgctccc cgtccaagtc aactggcat atcagtcgca ttctggatgc tggcgccgct 300
gctgttgtgg tgccgcatgt cgattcagtt gaggaggtga gggagtgggt aaaccatgcc 360
aagtatccgc cgctggggag caggggggtcc gcgaacaatc aacctatcct tgggtttcgg 420
agtgtgccga ccaacgtgca aaatgaagtg ctgaatcgag agacgatgct gatccctatg 480
atcgagacgc cggaggcagt 500

<210> 23196
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23196

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cttccccgtc tgtgcgagat gtcattgccc cctccatga acgttctatc tagcaatgat 180
ccgaagggtc ttgaacaagg ctgcctatgt gtttctcgga tagtggaag ctttagacac 240
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ctgctgccag gcaccacaaa cctcatcgga ccgcacattc ataccagtt tcttcgagtt 360
ctggcaatca cgtcgaaagc tagcccccg cgtcggtag aactgctgaa aacggacgta 420
gtcgacactc tctaccagat cttgactgga gtctcgccac cagaaaacat tgatgaccaa 480

gctatcaaga tggatagcgt acttgtgatg caggttttga ttcaccggcc gaaggagcaa 540
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 ttgccttgg tcttgctccc cacactcact gatgcgtttt ctagcacggc caacctggaa 780
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<210> 23197
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23197

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 catattcgga tgtgggattt goggaccgtg cctacggatc gtggcgtttc agtatgtgga 180
 agcagagacc aatataacag caatagcgac gctgtccgtg atgtcagggt gtctcccgcc 240
 gacggagtct tgtttgcggt tgctaccgat agcggcgcaa tccaactatg ggacattcgc 300
 aaatcgagca gtcccatttt gcggattacc gccacgata ggccatgcta ttccgtagat 360
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 tgggattttc gccggcctca tattcctttc agagagtttg acagatacga ctcaactgct 660
 acagacttac tttggcattc taaagatctt ctttggactg taggtgatgg cggcgttttc 720
 actcagactg atgtacggtc cgctcctcag gtgggttaatc agcgcccaac ctgctcgggtg 780
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 cgaggtctca 850

<210> 23198

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23198

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<210> 23199
 <211> 649
 <212> DNA
 <213> Aspergillus nidulans

<400> 23199

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gaaaccgctc cattattgaa tctctcgatt ccggcacaaa acggtacaac tccatctacc 180
gcagacacaa aatcgaaaat gacggcgata ctggggaggg ggtattacca acaatccaaa 240
ttgctcgatc tgtctaagct ggggaccgac ccagatctag tggctatggg catatttggc 300
  
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acaacttcca ctgaatccaa gttcttccct gcgctcatga aggtgtggga gctgaacttt 360
gataacgcc a cggcgcgacg tgatgctgtc gaaagtgtca gccttgctga caatcaactc 420
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<210> 23200
<211> 588
<212> DNA
<213> Aspergillus nidulans

<400> 23200

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agtagctcac tcttttgtgt ttctccctg tacaactact aataaactgc cttaatagaa 180
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<210> 23201
<211> 850
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 23201

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gagtacgtat acccgccctt ctctatgcgc gtcaactgag accagttgat actcgtagtt 240
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 gttatggacc 850

<210> 23202
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 23202

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agaacaccca ttatcgctct tacagcccac gccatgttgg gtgaccgca gaagtgtata 720
caagcacaga tggacgagta cttatccaag cactgaagc aaaatcagat gatgcaaacc 780
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tcgagcagtg 850

<210> 23203
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23203

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aagatgtacc atctggccaa gtctttgtac atgtacgcta ccagcaaaga ggggtgcgtag 180
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gggcaaaatg tcagcacaat atcattgccg gacatgtctt gaagatctgg gatgtcggtg 420
gacagatttc catgcggaac ctctggcaga gctactattc cagctgtcat gcgatcatct 480
ttgtggtgga cagtacagac 500

<210> 23204
<211> 774
<212> DNA
<213> Aspergillus nidulans

<400> 23204

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tgctgggggc cgacgtagat gcgttaactg agcacttctc agcctcgcgt ttgtcatact 180
ccactcaggc tctccccgta aatgtgctgt tggataccct tgtccggcca agtgtcgacg 240
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<210> 23205
<211> 559
<212> DNA
<213> Aspergillus nidulans

<400> 23205
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cgcatgtatc ctgagccagg taggtaagaa tactgactcg atgtaggcgt gcctccagaa 180
atcggggcag tcgcaaccga cgctgtatta acagcatacc atggcatcgt gcgccgcgct 240
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ccagtaacta ttcccagatt catagcttcg cagggcataa taatcgatac agttcttgag 480
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atattgtgta tcggcaccg 559

<210> 23206
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23206
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 gctacggata tggaatgtca tacagggatt gcggacattg agggagtttg gaattacgcg 420
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 ttgttatgag tgtcccgaca 500

<210> 23207
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23207
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 tgcacggaat actacagttt tggcttcttt ccggctgtca attctacgat atctctcctt 180
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 attacttggc cgcgagctct acaaccatcc agataccact atcatcgagt tcaacagcat 360
 tgcgccgaca ttcattgcaca aagctctaaa cctcgtcttg aaaaaaagct cctgtcagcc 420
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 ccggaatgcg atcgcgtcat tggaattcat ttgtctaggt aatggcaata aaggctactg 540
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<210> 23208
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23208

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tcatgcgcta cgctctcgcc gtttccccta agaactacct cctcttcgcc tgccacgcca 420
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<210> 23209
 <211> 554
 <212> DNA
 <213> Aspergillus nidulans

<400> 23209

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cctcagcctg acaaacctca agcacatgca agtgaacaga aacaacagca cccggccctg 300
cacgaacacg gcctgcaggt gcagaacgtc ggcagcgaaa aggtgcagaa ctacattggg 360
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atgggcctcc gtgtccttgg tgcccgcggc aatgtccatc tcgtcaataa gcaacaaaac 480
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accctgaatg ccga 554
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<210> 23210
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23210

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ccaactagca ggcatatct tgagttcaat ggccacttcg caaatcccag ttcgcttgt 180
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<210> 23211
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23211

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cccagactgg gactactatc gtgcagagcc atgtgtgacc gaaccacttg agaagctgtc 180
caaatcggac ctcgctccaa atccaatgtc ggaagggtag gtttctagca ctagtcagat 240
  
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<210> 23212
 <211> 538
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23212

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<210> 23213
 <211> 694
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23213

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catgatgccg cctttaatgg cactgtttga ccccgaggat cacaacagac gcttcgtggg 180
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<210> 23214

<211> 845

<212> DNA

<213> *Aspergillus nidulans*

<400> 23214

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tttttccggc tcgccacaca tggacttac tagcaacagt tgtcatattc aatggaattg 660
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<210> 23215
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23215

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<210> 23216
 <211> 525
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23216

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 cgtacacggt gaccgcacca aatttcagtc ccatggaaag ccagcgctag cggactatct 300

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<210> 23217
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23217

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<213> Aspergillus nidulans

<400> 23218

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<210> 23219
 <211> 850
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 <213> Aspergillus nidulans

<400> 23219

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<210> 23220
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23220

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 <213> *Aspergillus nidulans*

<400> 23221

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<210> 23222
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23222

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<210> 23223
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23223

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<210> 23224
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23224

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 <213> *Aspergillus nidulans*

<400> 23225

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 <213> *Aspergillus nidulans*

<400> 23226

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<210> 23227
 <211> 542
 <212> DNA
 <213> Aspergillus nidulans

<400> 23227
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<210> 23228
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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<210> 23231
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<212> DNA
<213> *Aspergillus nidulans*

<400> 23231

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<210> 23232
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<213> *Aspergillus nidulans*

<400> 23232

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<210> 23233
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<213> Aspergillus nidulans

<400> 23233

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<210> 23234

<211> 500

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 23234

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<210> 23235
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23235

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 taccttagac gcccgccggc caaaaacgag cagtaccgac tggatcggct gctacaggcc 180
 gcagcacaac gcggcggttaa ggttaacatt atcgtatata aagaggttac ccaagcgctg 240
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 cctcggccca taaaaaacac caccttgaag cactccaccc taacattgct gtcttcgctc 360
 atccggacca cctgccagac ggtcaaggcc tggcggcttc cattacctct tctctgcaaa 420
 acctgtctct cgacgcactc aaactaggac agatgtctgt cgacgccatg aagggtgtct 480
 acggtatcca cgaagggtgc attctgtact gggctcatca tgaaaagctc tgcatagtcg 540
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 agcatgccct tgctgacgtt cacgataacc ctgcagacat tgtattcccc ggccaggact 660
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 acaggacgca gacttcccgg atgggatggg ccgatgtcgc tgtcagtttc cacggaccgg 780
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<210> 23236
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23236

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 ccccatgcta gggggcaacg tcgccgccct tctcagccct gtcgtcttct cgccagtctt 360
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 caaagccgca tttatttccc gctgtctcac agttggcatg gtaatttgtt tcttgatcct 600
 ctggcctata cccatgtatg gcagcgggta cgtcttcagc aagaagttct tcacaggctg 660
 ggttggttggt ggcacatctt ggctctttgg gactgcgttc ggggtgattc tattcccgct 720
 ctgggagggt aggagcagta tcaaaagggt tggttaagctt atgctgctcg atgcgatggg 780
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 gtctggtgct 850

<210> 23237
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23237

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 ttccacctgg tactcgatca ggaatccgga catgccgat actctgaacg tgacaattcc 180
 ccgcgctcgg ctggaagagt ggcgagacaa catttacgcg gcgatcagga aggttcaatt 240
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 tgggtggtatt ctcgacgcgc agtaccctc cttgaacaag ctgctgggcg gctgctcgct 360
 tgatgaagag cgatatggga accttcacaa ctatgggctc ggcaagtttg ctgaaatggc 420
 ataccgtaac aaaccgggcg aaaagagccc ttatggcctg acgatctcca acttcggtgc 480
 ccccgagat ccttggtttt ggcgctggta caaacacctc cagtattatg gtcgacttgc 540

cgcgacaaga tatectcagg acattacggc tcaccgcgct gaagtcgtgt tgtcgaacct 600
 ggtcgttaagg cttcaagaca gaagttcgcc tcactatctc gatggacata ttacgacctt 660
 tcttggggcca cctgcagtga atttcatgga aagcaaagcg aagcttggtc atgagcctta 720
 tgaatggaat gtacaagtga agagctgccg cagaagtcca ccatccaagg agaacccccca 780
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 ccggaatcta 850

<210> 23238
 <211> 765
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23238
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 cccgggaaat caagtccctc taccctctcg tcgacgtgca cacgcgcacc tttgacgcag 180
 cagatgaagc tgcgctgaag gctgtgattg acgaggccat ccagaactac gggcgggctcg 240
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 gtgagcaatt cgcgggagacg ctgcggatca acacagttgg tgtgttttta gccgcaaagc 360
 atgctagtct ggcaatgagg aagactagtc ccgagaagaa ataccctgga ggcagtatta 420
 tagctacagc gagtgtggcg ggggtgaggt cgaatgcggg ggcgacggat tacagcgcga 480
 gcaaggcggc tgttgatatc attgcacaaa ctgtggcttt ccaattggct gggacgggga 540
 tccggattaa cgcgatctgc cccggggtgg tagagacggg gatgacagct gcgatgtacg 600
 aggctgcgcg ggcgaggggg acggagcgga agattgggca actgaatcca ctgcagcgcg 660
 gtgccgtggc agatgagatt gcacgggttg cgctgttctt gggaagcgat gagagtagtt 720
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<210> 23239
 <211> 564
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23239

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 cacggaacct tctcgcatga acacgagccg gcggagattg cgacggatta acaagtacag 180
 ccaaaggttc cagtggctcc catgcaatgt ggaattcgga ccaaacggag agtgtcagat 240
 cgcgctctac atcaacaatc ttcacacctg aaggcacaaa aatctttacc atataatcga 300
 gcagattatc acacgaacca ttccgctttg gaacgtctct ctggccccgc gggggggacct 360
 gccacgccgc atcccttacc gcagggtttc ataccatcc gacgaagagc ccgagcctga 420
 atacgacagt agcgatgatt ttgacgagcg ttacgaggaa tggcgagata accgtcgacc 480
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 cctttgcaa cagtatcgtg acaa 564

<210> 23240
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23240

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 gtcggcctcg gctccaaagc caagttagat gaccagtcca tggcggatac ggaaaaagat 180
 gtgcatgtcc tcgcacacct accacctctt aatcttgaga ttgagcttcc ggaaggctat 240
 ccttcgatca aacctcccat atttaagctc aacaccaatc cacgttggtt acccttatgg 300
 gccgtttcga aattactgga cgatggcaag cgtctctggg aagaatttgg ccggtctctc 360
 gtggtattca gctacataga tcactgcaa cagctggcag aaacagcatt cggaatcgac 420
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 caaccgcctt tccaccacac 500

<210> 23241
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23241

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 cgccctagtc tgctgccttc agtatcgaga ggaaggagac cgcttagtgc cataagaaaa 180
 ggacgccaaa ttggtatacc tgtcgtccgc ggttttagcc gcaaacagtg ggagcgattg 240
 caccctgcca agcctagccc tgtggatggt cgaaactacc ttcgcagagc tcaagacaaa 300
 acaatgagggc cgagccgagc cggcgagatc tgctatgcct gcgccatgga ggaagcgaga 360
 cctacgccaa ctgacttagt ctttgtcata catggcattg ggcagaagct ctccggagcgc 420
 atggagagct tccacttcac ccatgccatc aacgccttcc gaggtcaggt caatgtggaa 480
 ctaaatagtg aagaagtatg gccacatgtg cgcgagggcc acagtggaat catggtactc 540
 cctataaact ggcggtcaac tctgtccttg gaggactcca atctcgaagc tcaggttaca 600
 gacgacctg ctgcgaatca tttcagttta aaggatatca cccagagac aataccagct 660
 gtccgggtccc taatcagcga cgtcatcctc gacattcctt attacctatc acaccacaaa 720
 ccgaagatga tccaggccgt cgtaaaagag gctaatacggg tatttcgtct gtggtgcaag 780
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 gcaatggcag 850

<210> 23242
 <211> 646
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23242

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 gaagtagtca gcgtcgacaa gcagatcccg cgcaagggtg tggaataatgc gaaggtgaga 120
 accgttggca aacattctt agcgaagcta aacagcaatc agggcctcgc gatattcagc 180
 gtttttgaag tcggcatgat gcgttctttt cgcttcgggt tcggtgttgt agtcgcccgt 240
 ttctttaacg gaacatgggc ggcccccttg gccatcacga ccgggaaaat gacgacaaaa 300
 ggccaattgg aatggagcat ctgagttcga ttactgctaa atacgacagg gcctggaggc 360
 gttctcgcag gctaaagcgt actttgggcg aggacgtatc aatagcagtc gggccattcg 420
 ggcgagcgc cgagctcgcg ggggatgcat acgaggctga tatattcgca tactgcaaga 480

cacgcacagt ttttgggggt tcgacattgg aaggagcgac tataggcgag agagtagatg 540
 cgaatcggaa gatgtatcaa aagacagttt caacgcgcca gctgcttcgt ggggaggtca 600
 cgctgcccc agagacatac gggctcatga agatcctgca ttcaac 646

<210> 23243
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23243

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 cagggatata actcgtcgct agcccagctt gaagcagtc tagaaaagca gctggattca 120
 gccgacagtc tgccaagcgg accattacat ccgaaagatc tagcaggtct ttcctctact 180
 tcaccactat ataaactata tctacgcaa ttgttgtaa tcgcgtcagc tcaccccatg 240
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 tggaatctct ccggcaactg tatgcagata caaatactgg cccacagaaa gtgcccgact 360
 ggatacatcc agagtacctt cggctactatg tacttggtgca cgacgaggac cgcgatgata 420
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 tgctaaggct acgcagcaat cagtgtgtcg tcacagatga tgatagtgtc caggtgccgg 540
 agtgcgagtg gttatcccct tcagagcggc ttccgaacg gccaggtagc cgaaaatata 600
 taattatgtc tttaaataaa agctaactgt cccagaacca cttgttgatc tcgactcgga 660
 tgggtcttctg tatctattcg actctgatgt aatggcaatc aaagggtttg ttcgagaact 720
 cgtcgcgcag tccattgtcc catttatgga aaatagggtt gctgtctgga acgatcaagt 780
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 ctttggaacg 850

<210> 23244
 <211> 314
 <212> DNA
 <213> Aspergillus nidulans

<400> 23244

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tgaacgtggtt ggcacgactg ttcccgaagt ggagaatctg gttgagtcta ctctgcgcag 180
ggggatgagg gagcgtgctg cggcgattga gaaggctacg agagatgttt tgaagctgtg 240
tgaggaaaagt caggaggaag ttttcattgt tcaacagaag caacagctag aagagggaga 300
aatgggggag cagg 314

<210> 23245
<211> 797
<212> DNA
<213> Aspergillus nidulans

<400> 23245

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agaatgctgc aaaggtcgct ttccctgaac ggctcccgtc cgggtgggac ttgagccaaa 180
agtggttcaa actgctagct attgtctgcc acaagggcag tcataacagc gggcattatg 240
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atgcacagag ccgcgcagcc agcgagaacc cctcgctgtg ggcaagcccc cgtcttcctg 360
cgagtagcag cagtaccgag ccgccagctc taaatatctc accaccggcc tcaacttcta 420
ctaactcacc gttgtctcta acacctgatt ctccatctag acccccatca gcaaccgatc 480
tcaagagccc ccgtccaaca acatccagct ctctgttttc cttccaaagc acacactcgt 540
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acacagaagc cagtgcgaag gcaagtcttg catcgcgaa cgggcgacgt cgcaagacag 720
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<210> 23246
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23246

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gtctacagat ttaacaactg cggacccaca cccgagcttg agcatgaaga gttcaagcaa 180
accgagccga aagaggggtg ttctggcctc agctcttaca aggaggatgc agagggcgca 240
gcaaagagct tggatcctct tatggcgggtg gctatgtcga ctgtccccga cgagtacaag 300
tcatgtcac cgattgcggt caaggctact gctgggttac gcatgcttgg ttctgagctg 360
agcgagaaga ttttgaagc cgtaaggact cgtctagaga cggctctacc tttccccgtc 420
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tggatcacca ccaactacct 500

<210> 23247
<211> 704
<212> DNA
<213> *Aspergillus nidulans*

<400> 23247
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tgaagtgctt gtccttagcg tttaacgaaa ggatctcatg cagcgtctga cgttactgaa 180
aaagtcagat cctgatttga aggtcttcgt ggcgggtggc ggctgggtcgt ttaatgacct 240
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cttcagatca ttggtcagct tcttgtcaac atacgacttt gatggcattg acctggattg 360
ggaataccct gttgccgacg atcgaagtgg ccgtgaagag gactataaga atttcccatc 420
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tacgtacca gtttcgtact ggtacctgca gcactttgat attgtcaagc tacagaagag 540
cgtggatttc ttcaatatca tgtcttatga cctccacgga gcttgggata gcaacagcaa 600
gtggctggag cccagctga acgcccacac caatttgaca gaaatcacia acgcccctgga 660
cctgttggga gaaatgatat cagccctaata agggtgggtc tggt 704

<210> 23248
<211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 23248

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 atcctcgttg aaggcgcttc tgcccagttc cctacccttc accacgcttt cttcgtcgaa 120
 gatattctga tcaagagaga ttgccgctca ttgcaagggc tggccccgaa tgtcaacatt 180
 gtcaacatgt acggaacgac cgagacacag cgtgctgtca gctacttcga aatccccagc 240
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 atgctcgacg tgcagatgct ggctcgtcaac cgcttcgagc ctagccgcac ctgcgctatt 360
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 gaaatcgata cccatctctc ccgtcaccct cttgtaagag agaacgtgac gctgggtgcgt 720
 cgtgacaagt tcgaagaacc taccctcgtc agctactttg tgcccaacat gaataagtgg 780
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 atgcttaggc 850

<210> 23249
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23249

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 ttatgtacac tacccttcca aagcttgaaa ttggcggcag atattgacta taaggccagg 180
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 ctcgcctcga caatagttct ggtgattgga gcaatcctct gcgcggccca agagaactac 300
 gaatggcacc tctgggtccc atgtgcagtc ggattggcag cagggcagag tgaggccctg 360

gttccgatga tcaccagga aatcttcttc ctccacgaac gcagtaaagc tctgatgggc 420
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 aacgcaatca cgccgcagtg 500

<210> 23250
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23250

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 ggcagtatga gggttataca ctgaagcaaa tggcggcaga agtactcaag catgaggagg 180
 ctggcggaaa ggcagaaaag gtcaacaag tcttcgcaat gatctggtaa gtaccaataa 240
 cataatcatg ctcccatttg ctgaatctta tacgccatag gttgaaggag aactgcagaa 300
 aaagcacagg ctctgtccgc agagatcgtg tttactgctg ttatgccgaa aagtgtggaa 360
 ccgaacgtgt ctccgtgctg aatcctgcgt ctttcgggaa actagttcga atcatatttc 420
 caaatgtaca gacgcgcaga ttaggcgtta ggggggagtc aaagtatcac tacgttgatt 480
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<210> 23251
 <211> 613
 <212> DNA
 <213> Aspergillus nidulans

<400> 23251

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 gctgacgagg ccttgacgga caatgttgct gaaggggtgg aggaaatcac atgtgaattc 180
 ctgcaatctg tggatctgcc aggtcttccc ccagcaagat tatgattgaa ggttggtatg 240
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gtcacaaaca cagtttccgg tccatccatg ctttgcaatc accacaaata agtctcaggg 480
tcagtctttg cagcaggtag gtgtggattt gcgggtccct gctttctccc atggtcagtt 540
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<210> 23252
<211> 668
<212> DNA
<213> *Aspergillus nidulans*

<400> 23252

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gcgcaattgg caccaggggc ggaaaacagg tggtccttgg ccgagggagt ctcgacatga 180
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tgcggtggaga tgtcattatt gccgccgtct ccgacgagga ggacgcatcc caggggacga 300
gggacattct agctgccggt tggagggctg acgccgctgt tgtacctgag cctacgaacg 360
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ctgctcacgg ctcaaaccat atcgacggag tgcagctat tctccatgct ggggtggttcc 480
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ctctgcattg cgggctaatc cagggtggag aggaggcgtc ctcttatcca gccaaagtga 600
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tccagcgc 668

<210> 23253
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23253

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acagcgctac ttccaatatt actgaaagca gccgatgaag tagaccggtt agtccagaac 180

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 acaatagtgc tccgcggagg aaatgcagat acacttgcaa aagtgaagag gataaccgag 780
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<210> 23254
 <211> 540
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23254

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 aaactcacgg tgggtgtggtg actactataa cggtagacag ttccagcgca acatctgcag 480
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<210> 23255
 <211> 691

<212> DNA
 <213> Aspergillus nidulans
 <400> 23255

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<210> 23256
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23256

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<210> 23257
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23257

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cgagtatccc 850

<210> 23258
<211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 23258

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gcactcgaga gtatgttttt cgcgtcagaa gaggcctctt cggaaccttc gagcaacca 780
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gataacatgg 850

<210> 23259
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23259

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<210> 23260
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23260
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850

<210> 23261
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23261

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<210> 23262
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23262

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<210> 23263
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23263

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<210> 23264
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23264

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<210> 23265
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23265

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<210> 23266
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23266

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<210> 23267
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23268
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23268

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<210> 23269
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23269

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<210> 23270
<211> 481
<212> DNA
<213> *Aspergillus nidulans*

<400> 23270
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<210> 23271
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23271
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<211> 649
<212> DNA
<213> Aspergillus nidulans

<400> 23272

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<210> 23273
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23273

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<210> 23274
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 <213> *Aspergillus nidulans*

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<210> 23275
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23275

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<210> 23276
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<213> *Aspergillus nidulans*

<400> 23276

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<210> 23277
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23277

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<210> 23278
 <211> 371
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23278

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<210> 23279

<211> 618

<212> DNA

<213> *Aspergillus nidulans*

<400> 23279

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atcctctatc tttctttt 618

<210> 23280

<211> 588

<212> DNA

<213> *Aspergillus nidulans*

<400> 23280

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<210> 23281
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23281

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 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23282

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<210> 23283

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23283

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<210> 23284
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23285
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23285

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<210> 23286
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23286

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<210> 23287
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 23287

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<210> 23288
 <211> 581
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23288

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<210> 23289
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23289

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 ggcttccgog ccgactttct caaccggggg ctgactccaa ccttgaacgc cttcatttca 360

gagggcgat ctctctctta tatgcatccc agcttcccca gcgttacctt tcccaaccat 420
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<210> 23290
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23290

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<210> 23291
 <211> 629
 <212> DNA
 <213> Aspergillus nidulans

<400> 23291

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<210> 23292
<211> 736
<212> DNA
<213> *Aspergillus nidulans*

<400> 23292
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<210> 23293
 <211> 534
 <212> DNA
 <213> Aspergillus nidulans

<400> 23293

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<210> 23294
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23294

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aagccatcaa ctggtttata cggatatagg caggtccacg gggagtggaa gtggctgatg 180
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<210> 23295
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23295

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ctctttcaaa agccagcaag aggcgccgac gaagacgagc atgcgggata agaaaaaat 180
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<210> 23296
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23296

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cagcaaaatt ggggtgaatt gttcatccaa cacgaagaag ctttccgcca gtacgagcca 180
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 acagtaccac atctatctct ttgaacgaat cctgctttgc tgcaaggaca taaaccctaa 780
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<210> 23297
 <211> 508
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23297
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<210> 23298
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23298

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caccagagtt caaggagaaa ttgaagtcac tgaaggagat cgtcgaacca gcattgaaga 420
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<210> 23299
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23299
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850

<210> 23300
<211> 588
<212> DNA
<213> Aspergillus nidulans

<400> 23300

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<210> 23301
<211> 684
<212> DNA
<213> Aspergillus nidulans

<400> 23301

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aggagtagtt ttccaaaatc ggtacggcga gccaggaaac gcagctagta ttggcagact 600
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<210> 23302
<211> 562
<212> DNA
<213> Aspergillus nidulans

<400> 23302

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ccatgcacat ttgaactgga tgtccccggg cttggcattc tagaaggcaa tccaggggag 180
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<210> 23303
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23303

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<210> 23304
 <211> 644
 <212> DNA
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 ctccaagcta gggaaccoga tatcaaatgg agagacgagt ttggcgctgt cgaccaagaa 540
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<210> 23305
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23305
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<210> 23306
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23306

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<210> 23307
 <211> 384
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23307

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<210> 23308

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23308

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cgcaggcggg tttcaggcat attggaacgc taataattgg tccaatccga cagcctgtaa 420
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<210> 23309

<211> 595

<212> DNA

<213> *Aspergillus nidulans*

<400> 23309

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cagggcgcg tgggcctgga ccagtatctt gccatcgctt actttcagga ggggtgtgtct 180
 aatttcttac ttggcgactt tgaagaagca ttggcgaatt tcaacgacac tctgctctac 240
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 ccctcagggg tataccgtgt tctcaatccc cgtaggagta gtttaccggc cgaacgaagc 540
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<210> 23310
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

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 cctcctttct ttctctttct cctccatctt cccactccct ctcgataaac tcacaatggc 180
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<210> 23311
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23311
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atcacggcgc accgaatctg tcattttcca tacttggcgc aacgatccga atctcgcaag 180
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 tagggattaa tgatagagac tgcaacataa gcagcccagc ggatacctgg gaaaatccgt 360
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 aactgaaccg tctttatctg atggcttctt cagctctaga ggttattttc ggttcgcgga 480
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 tcgaccacct ttcgacagat cattcaacgc ccggtggaag aggtggagtt gaccaagata 780
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<210> 23312
 <211> 501
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23312

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 ccggagacaa cctcaatata ccttttgtgg gagcttttct acaacacgca ggccgcatgt 180
 ggattcggcg aagtttcggg aatgatccac tgtacaatac cgttgtccaa gcgtatatcg 240
 acacaattct gcagaagggg tataattttg agtggttcat cgaaggtgga cggtcacgaa 300
 ccggcaagct gctgtcgcca aagttcggta tctcagctt tatcgtggat agcgttctat 360
 caggctgtac tgaggacact atcatatgtc ctgtcagtac gcaatatgac aaagtttatt 420
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<210> 23313
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23313

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atgctagaca agcgactgaa cgacaagggc aagaattggc gccatgtgct gaagtcattg  180
aaggtccttg actattgtct ccacgagggg tctgagcttg tcgtcacatg ggcccgggag  240
aatgtgtaca ttatcaagac cttgcgcgag ttccagtaca tcgacgaaga tagcagggat  300
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cggctgcgca gtgagcgatc agaccggaag ctctggaaat cccgggtgaa tggacttgat  480
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gaaagcaatg cccagtcttt gttt gatgac agcacaccg ctgcccagcc gcaaccgacc  780
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<210> 23314
 <211> 686
 <212> DNA
 <213> Aspergillus nidulans

<400> 23314

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actcgggtgtc ggcacaggag tcgctaccgg agaagagtca aaaattccat gcgaggatat  180
ccattgggtg aatgagctgt gcctcttgct ccaactccat aacaaacgag attcgccagc  240
ttgaatttgt ggacgatatc actgtcacat tactctcgaa tagtgccact gtaacttttt  300
  
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 cccaggtcga gctggataat ccagacgatg cgcagctggt tgtacagaaa atcgaagatt 600
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<210> 23315
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23315
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 cagcttttcg cggaggagaa cgattccatg gtgcggtatt atgaggatac tctgagtaaa 180
 gtccagtgcg tcttgatttg cccttctttc gttcaagtaa agcaaagcga aactaatctc 240
 ttattctttc tcgtataaat aggaacgccg aaaaatcact gcttgaaata tcctccttgc 300
 agcaaacgct ggtgtcgcac ctctctacgc aggaagaata tatcaatata atggtgacag 360
 atgcatcgaa tacagagacg aatatcgggc gcgcgaacaa agagttgaag cgtgcgagtg 420
 agaggcggag tgcagcgcag gccgtgtttt gggggaccgt cgggttgtgt acatggttgg 480
 ttgtttggga tttgatattc 500

<210> 23316
 <211> 545
 <212> DNA
 <213> Aspergillus nidulans

<400> 23316
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 gtgtggatgg ttgctctgtc tgctcaatt gcgggcatgc tctttgggta cgacactggc 120
 atcatctcag cggctcttgg gtacataaaa gacgcactgg gtggtcggta tctcacaagt 180

tctgaaaagg aactgatcac atcgctctgc tctggagggg cattcttttg ctccattttc 240
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gctgactggt gcacgagtgg ggccgtaaaa ctgcgcttta cctaggttgc gtactcttcg 360
tggtcggcgc tgttttgcag gcagctgcct acaccatcgc acaaatggcg gttggccgag 420
tcattgttgg cttcggggta gggtcagctg caatgatagt gccgctatac gtcgccgaga 480
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acagg 545

<210> 23317
<211> 690
<212> DNA
<213> *Aspergillus nidulans*

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ccatcaacga cgccaaagtg ccgacgtccc aaaaacatcg cacaatcgc agaccaacct 180
acctcatcgc tcagctgagt ttgtaagcgg ttacacctcc ccacgtgcac catctccgcc 240
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gcacgcgcca catgcccgcg ggcattccca cgaagcgtac tctcgccgac cgcaccgaga 480
actctccccg gactctcagc gacggtatgc ctaccgggaa gcgttcaatt tcagctccaa 540
ccggccctac gactcggata gcgggcgcgg cccgcgcca ccaagagtct acatcgacga 600
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gtccgctacc gtcccgacga gccctgtcta 690

<210> 23318
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23318

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 atccagtaag cgagcggggc acctgactac gaatagactc tctcgtagag ctatgtaatc 180
 aagaactggc tactttttata agtcaactta tagggtgagg acggtggagg acttccttta 240
 tacattgctt taaagggaga gttcatatag aggggttgga tcaaaatcca aatcttccac 300
 ctgattggag acttaacatc gtcctaaag gaactactgc cgatgaggta ggtgtttgtt 360
 gacttggaaa cccctatgtt cccgccacta cagctcgtgc aacagggaga taccatcttg 420
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 gacgttatat acctatctgc 500

<210> 23319
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23319

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 aggctaaggc aatgtggaag agaggcaaaa gcaagcccat tcttttgctg acaccctat 180
 tctggtactt tggctgggtc caagcctacc cgggcacata cctcgcaacg tactttacta 240
 ttcgatcccg agcactgggc agcttctct ctgccatcgt cggaacaatc gcaacctggc 300
 tcggtggctc cctcgtcgat attccctgga cattgaaccg caagcaccga gccctggcga 360
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 ggtgtattgg gaacctttcc gactcgctg gtgagcagat ccggtatagc tcgctgctga 600
 gggggattga gactgctgga gtggcgggtg gatttggggg gcaagctgtg ccgacaacct 660
 tgattgtgac ggcgggcatt aactttgggt tatggttctt cgcacttccc attagtttct 720
 gggccacatt aatggttgtc aggaaatttg aggaggcggc ctggaacagt gcggttcggt 780
 aggttattag cagatcatat ctactagtag gtaagctact aagttcgat gtctgaacga 840

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850

<210> 23320
<211> 762
<212> DNA
<213> Aspergillus nidulans

<400> 23320

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acggtgtctt gtcctccgtt ctctcttctc cgagcgccag tgatgctgat gaggctgctg 660
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aacagccgac gaccaccagc agtcctaaaa gcacggcgac tt 762

<210> 23321
<211> 629
<212> DNA
<213> Aspergillus nidulans

<400> 23321

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cgaccgaaac ccaatgattt ccacctctta cgaatgtgtc ctctgtccag tgacttatac 240
cgagcatgag ttaatagaag caccaaagac gacgcacaag aagaagacgg acagggaccg 300

tgagaaggag aaactcgaac gaggcttggt gctgacgcaa tcaagcttta cgggaaaag 360
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<210> 23322
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23322

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<210> 23323
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23323

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 ctcggagcct gactcagaac tgaaggtggt tgctctgcag acactagact ctcatatcga 180
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<210> 23324
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23324

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<210> 23325
<211> 500
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 23325

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<210> 23326
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23326

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 ccgtggacgg gcaagtgttt agctagatat cattcattat ataccacatc caatcggggt 420
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<210> 23327
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23327

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 ataccttcta 850

<210> 23328
 <211> 616
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23328

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 tgggacatca caggtcttct tagacagatt cacagccaga gtttcacagc aaaggaggctc 240
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 acagtcggca tcgccgctct agctttgcac cctttagaga aagatgcacc gttagtgtta 540
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<210> 23329
 <211> 850
 <212> DNA

<213> Aspergillus nidulans

<400> 23329

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tttcatattc gtggcgtgcg ctccggaat ctaggtacgt tgacttcaag ttccgcagtc 180
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ttactcaact tgcagagctt cgccacagag gagctttctc gactgtcgcc cagacgttcg 360
ctgcgtgctg ccagcgatgc ggtcaatcgg gtaaccctga gatttccgcc ctctctcttc 420
tttggtatca ggtaagttga ctgggaggtc agtgcaagac taccttactg atattatgca 480
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gccagctttg gttgggggaa tctgtgtgtc gaaccctggt ggcccgtgtg tccagcaggt 600
cattcgcgag cttcaggatg tagcctacat accggcccaa cttgaagcac acaatcaaac 660
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actcgggcct cacactgaag gcttccttat gccagcacta aatctctcag cggagtgcac 780
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ggcacttcgg 850

<210> 23330

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 23330

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agacaccctt cctccatga cgcgtactaa cgactgtgcc attccagcca tccccccage 420
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 attcatcaga ctatcaccac acttatcgat gataaaattc gtggttgaat cgtgggcctt 540
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 cctcccgcga cctttctcag aaacactccc acagcttact acttatgaag gcgtttccat 720
 cctgaatcat caagctttct cctatttcct tgcacgctat tttaatccca ctctgggtgg 780
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<210> 23331
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23331

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 acattgtatg actggacgtt gtcgtcccaa gagtcgatgg acccgaattt caagcttcct 480
 gaaagcatca gacataggct tgatattgag aaattttgcy acaaggtcac caaagctctg 540
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 aagttctgtc gacaaccgtg aatgcccggg ttaattagtc tagacattac cgatctctat 720
 ttgcgcgcac caaatctcca ccttcattta tccgctttct ttgacgattt cactgccaaa 780
 gactaccgcg aacgacttct ctccctcttt ttcgcggcca ccacgttcct cgaagctgcg 840

atgaagctgc

850

<210> 23332
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23332

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gggtgcagcac ctgtaattga gaaacaagaa ccaacggctc ctgctaaagc tgaagcacca 180
gctaaggctc aaacgcctgt agcacaacca aagccagctg cgaagcctgc tgtgaaagct 240
gctgaaacta gcgagccatc tgggtggcgtg aagttaacag ttgtagcttc agcatataca 300
gctcaccgga gcgaaaacgg tggcacatat gtcgcccgtg tattacctgc aatgggacat 360
gatctacctg cgaatccgaa catgaaaatg atcgctgttg acccgaaagt aatcccattc 420
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gcttctcgag cctaggcgag 500

<210> 23333
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23333

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gtccagcttt gttggcctgg atcgtgaggc atttgacagc ttcaaactgc tcaaaagtca 120
tctgaccac tgccacgaaa cgagtctggc tctcggtctg ggaggtatac ttcctgcaat 180
ttttgacaga actcccagaa gcagtattgt cgagttgcag ctcatgcagt tcgcgctgca 240
gtactcgtgt gcaaagacct ggatcgacag cggcatacat gttgctgcac tgggtgggcca 300
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tatgatggcc gttgacggcy agctcgaact tgtgcagaga ttactgcata acgcccata 480
ggccagtccc aatgagccgy ccgttaacat tgctgtttc aacggccctc gtctatttac 540

cctagctggc acgacaaaag caatgagggg tgtccgagag gtactgtcca aggacaacag 600
gttgtcatca atcaaggtaa agtcgctgga aacctcgcat gccttcact cgactctagt 660
cgagccgctt aaaccagatc ttgaggagct tggggaggag tcgatcttcc gcaaaccagt 720
ggttgtccat gagagggcca ccagaaacag tgtaaccggg ccaccacctt taaaaataat 780
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tatgcatgtt 850

<210> 23334
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23334

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ctgagttcgg ctactctacc tgcacccgag gaggcattga tgaccccgaa gaggggcccgg 180
agaaaagcat atcgcaagac aagactggaa gacgagatcc ggggtgactgt gcatattgcc 240
gagatccttg cgcgccagcg gtatattatg cagctgtgcc gagccctgat gcgctacgga 300
gccccaaactc atcgatatga agagtacatg aagatgaccg cacgggttct cgaggctgaa 360
ggccaatttc tctacctgcc tggctgcatg atcatgtctt ttgatgatcc aacgaccgcg 420
accgccgaag tcaagctcgt ccgtgttgtt caaggcgtcg acctcggtcg tcttgccgac 480
acgcataacg ttacaaaaa 500

<210> 23335
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23335

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tgctcctact aagcatctac atggcctttc tatacggctt gctctacctt ttcattgacgg 180
catatcctat agttttccag cgaatccacg gtttcaacaa ggggtgttggg gggctacctt 240

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 cagccatcat tggcagcatg gctttcgccg ctggactttt ctggttcggc tggactggat 420
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 tactatgcat cttccttcaa tgtctcaact atatcattga tacctatctt gttttgtgag 540
 tcctttcatg ttgcaccgtg accatatgtc taacgatatt ccagcgccgc atctgcttta 600
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 taatgccatt ggagtcaact ggacgggaac tctcctcggg tgcgtagctg ccgtcctcat 780
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<210> 23336
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23336

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 ccctatagcg cttataaaaa cgatgaattg cgcattgtgg tcaaattgaa cattaccatc 180
 ggccaacata ccctgggtga ccaattcgag tgggatatca atgaccgcga taatagcccc 240
 gaagaatttg ctgcgcgaat gacgactgat ctttctcttt cgggcgagtt cacaacggca 300
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 catccattcg acggacggcc tgttgaagat ccggacctga aagcatcctt cttaccttca 420
 ccaactcactt cgtcctttcg gccgttccag gccgccaagg aattcacacc ctatctctac 480
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 caaaagcggg cggatcaatg tctggtggc cctgccctgc ccgatctcaa agaccgccag 600
 cggacaattc gcacgttact tgtatcgtag gttatccga acaccgctcc ttcgctggaa 660
 gagagtaatg tgttcaaacg atcaggttcg agccgtcgcg gacgtgctgc ggttggtctg 720

cagagggagg tgatgactcg tatgagtcgg atagtgacga gtctttcgtg gttgggttctc 780
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 tgcagaatgc 850

<210> 23337
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23337

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 ttctaaaggc gcagctcctt cttctgagaa gtactctcct ctccaggatg ggaacgtcct 120
 cattcatgaa ggccagttga tgtatgggat gctcaacaaa aagatcgttg gtgcgagtg 180
 agtggtgtgc atccacatca tcttcaatga atatggggca gatgctgctg tggcattctt 240
 taatggcgcg caggccattg ttaactactg gctgctacac aacggtttca gtatcggtat 300
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 gaaactggaa gttgaggaga ttactgccac tgcgactcag aataagctcg aaccccttcc 420
 cggtatgaac gtgcgtgaaa catttgagag taaggctctt gtcgctctca acacggcgcg 480
 tgatgaagct ggtactgcca ccgagaagag tttgaaggat ttgaacaatg ctgtccaaat 540
 gtcgcatct ggatctaagg gttctatcat taacatctcg cagatgactg ctgtcgtcgg 600
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 cttcacatat gacgactact ctccagtatc catgggcttt gtggaaaatt cataccttcg 720
 tggcttgact ccgactgaat ttttcttcca cgctatggct gttcgagacg gtctcatgac 780
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<210> 23338
 <211> 698
 <212> DNA
 <213> Aspergillus nidulans

<400> 23338

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 gcatgcagta tatggacaag gtggccctca gccaaagcgac gctgcttaac ctccgcgaag 240
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 gcgcacgggt gtatgttttt cttattttct gctgcccccg ccagcacata tcaatactga 420
 caatgcagtc taatctgggc caccgtcctg ctgtgcaccg ccgccaccaa aaacttcgct 480
 gggctgatga cagtgcgctt ctttctcggc gtaggagaag ctgccatagg tccaggcttt 540
 ggtttggtta ttggcatggt ctacacgcgg gaggaacaac cagccaggca agtcagcccc 600
 cagtcgccag ccgtacctg acgaagtagt tcaccatctg acagagcaca tagacaagcc 660
 gcctgggtcc ttggcaacgc cgtctcaaac ctcatcag 698

<210> 23339
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23339

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 gcgcgttgct gacgcttaa agcgtgtcc tagggcttta tttcctcaa gaaaggcttg 180
 gcgttttggg aaaactgggc tgcgctatgt gcttgcttgg atcagtgggt atcgctctac 240
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 tctaggattt ctgatatact gccttgctgt cgcgatattc gcgactgtca tgatttaccg 420
 agtcgcccc atatacggga agaggaatcc gctgatctat attcgatct gctccaccgt 480
 tggttctggt tccgtcatgt ctgttaaagc tttcggcatt gcctgaagc ttaccctagg 540
 gggccacaac caattcacc atgcttcgac atacgtgttc ctcatcgta ccgccttctg 600
 cattctcacg cagatgaact acttcaaca ggccttgaac gagttctcca cctcgatgta 660
 agtaacccta cttgcaagta ttgacatatc tgacggggcc agcgtcaatc ccttgacta 720

tgtcacattc accaccgcca cactctgcgc ctcatcctc ttgttcaaag gattcaatac 780
aacggatgcc gtcaatacca tttcgctact ctgcgggttt ctgattatat tctccggggt 840
ctatctcctg 850

<210> 23340
<211> 721
<212> DNA
<213> Aspergillus nidulans

<400> 23340

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gaatatgaaa agctcctcaa catgcgctcc ggaggtacat acattcctcc agcgcgactc 120
cgggccctgc aagcgcagat cacggataag accagtaaag agtaccaacg gatggcttgg 180
gaggctttga agaagtcgat aaacggtctc atcaacaaag tcaacgtgtc gaatatcaag 240
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agtatcatga aagcccaggc ggcaagtttg ccgttcactc ccatctacgc tgccatggcg 360
gcaattgtca acaccaagct gccgcaggtc ggagaactcc tcttgagtag gttgattatc 420
cagttccgga aagctttcaa gagaaacgat aaggcgggtc gcatatcctc gacgacattc 480
atcgcccatc tgtgtaacca acaagtgggtg cagcaaatgc ttgcggccca gattctgctt 540
cttctgcttc acaagccac tgatgacagc gttgagattg ccgtggggct gacgcgagaa 600
gttgccagc atctggagga aatgagcggc ccgattgcct tggccgtatt tgaccaattc 660
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t 721

<210> 23341
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23341

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ttcccaaagg cgtggagata tcgcactata atgctatcgc gaactcttct cagctcctcg 120
caaagagagc cattatatcg aatgaccata gaggcaagag ccgcaaagag cggctcgaca 180

tggcggggga tcggtggctg gctccgctgc ctatgtatca tgcctatgta ttcttgccca 240
 tttcattgta ccttcctta gattgcatga gaactaagtg attgcagggc caaacatact 300
 actgcctcaa cgcgggccgc ctaggcgcaa aagtcttcat catgaaatcc tttaatgtcg 360
 accaatacct cctctacatg gatatttacc gcatcaattt catggcctcc gttccagcca 420
 tcatggccac gctcgcaaaa caggcaaata cctcgagata taaccttcgc gcagtggaaa 480
 tcgtaaccag cggtctgca 500

<210> 23342
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23342

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 tacgtgggtc gtccgcatgg gatcaaaaaa cgacctcagg aagattgccc cgaaagttat 180
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 gcggctcccc agcacagatc tgagcctccg tgcgcttgcg tacgaaagca tcggatatcat 300
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 gattaaatgg ttgttcacgt cgtttagctg tgacgactcc ggccctcaaa ttttcgtcag 420
 cattgaacag gccttgggca gcattcttaa ttcgtcaata gatgttaagg aactgactc 480
 ccagaaggaa ttaagccatt atctactgtc tcagatgagg acatatccag ggaccgagga 540
 tgaggaaaca ggtgacgga tcgtgcgtgg cccacagtat gctgcagtgc ggtttgccaa 600
 cagggttttg ccattctaca atgtcgttgc gcgctggatc gatcttatgg ccattgcagg 660
 tggcacggac atacgccagg agatcgaga ggaggggaga aagggttgc atccatattg 720
 gtccggctt ttgaattcaa agcaggaaac tagactgacc cagatcccat ctgattcctc 780
 tgctgattca acctcctact tcgattttcc gagttttgct gaggttaca actttctcct 840
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<210> 23343
 <211> 500
 <212> DNA

<213> Aspergillus nidulans

<400> 23343

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actctcacct tgacgacccc cagaaccagg acatcgagcg tggcaagtcc tacctcaagc 240
tccgccctga ccgtgttgct tgccaggatg ccaccgccca gatggccatc ctgcagttca 300
tgtcggctgg tatgccgtcc gtcgctactc ccaccaccgt gcaactgtgat cacttgattg 360
aggctcagct tgggtgtgag aaggatcttg ctgcgcgaa cgagatcaac aaggaggtat 420
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gcttgcgttg gcaaaggctc 500

<210> 23344

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 23344

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gtcatctcgg atattgatgg aaccatcacg aagtgagttt ttgttgtgct gtctgtctgc 180
ataccactaa cctcaccagg tcggatgcct tgggtcacgt gctgaatatg atcggtcgag 240
actggactca cgctgggtg gccaagttgt ataccgacat tgtcaacaac gggtacaaca 300
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agtagctatg tctctatgag tgagctgggtg gatcacttct ttctccagc cagcttgctg 720

gttcaagctg gcggtgaaga atataccgat ttcattgtatt ggagggatgt tcctcgagat 780
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 gtagacaatg 850

<210> 23345
 <211> 682
 <212> DNA
 <213> Aspergillus nidulans

<400> 23345

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 gagcgaactc cgctttccta tgccctcagaa tacggtcagg tctggctaac tgatatgctg 180
 ctggaaaagg gcgcagattc gcaactgacc gatgttgacg gacgcgttcc tcggtcgtat 240
 gctgccgcga gagtagaaac ccaagcagcc acgtctccaa ctcaaacaga acaagtccag 300
 gccgactcag gcgaagttcc cgcgcaagcg cccatcttct tgtctatcga tcacggacgc 360
 ctggacactc ttgaaaccct ggtcagcctg ggcgcggatc cgagccagca gaatgaggac 420
 ggccatacac cactgcattg tctggtaaag cggtcaggaa gacagccagt tctggcccc 480
 gaggacgagc aggcgattcg ctatctgtta gagcatggag cagatccatg gataaaagac 540
 aaatgcggga tgacggtgct ggatatggcg cgggcgtacg gctgggggtga actgatggga 600
 ggcattctga ggtcatcgtt tcgtagaatt cgcggggaag acagccatgg cagttggggag 660
 gacgcaaata taccaccaat gt 682

<210> 23346
 <211> 467
 <212> DNA
 <213> Aspergillus nidulans

<400> 23346

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 tggggaaagg gataaagaga gggataaagg gaggagagg gatagggatg gcgaatagg 120
 agggggagga gataggaaga tgagagatga tgggaaagga aaagaaaata tagagggggg 180
 aggtagagga aagggtgagg gagcaaagat aaggaaggtg agaggaggagg gaaaggatg 240

aggagagaga gaggagaagg gaaagggagg agagaaaggg aggggaagagg agcaggagag 300
 gggagggggg gagggaaggg aaaggaagg gaaggtaagg aaaggaaga ataggaggga 360
 aggaaggaag aaaagagggg ggggggtag ggtagaggga aggagaagag ggggtgggg 420
 tgaaggaagt gtggaagggg ggtaaggagg aatgagtagg gtgctgg 467

<210> 23347
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23347

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 tgtctatagt agatcagctt gaaatttcat ggtttaacgc cgctatgtac aacccagtc 120
 aaacgctctg cacctggcgc agcaggcagt atgctaacca cccaaacagc gcaagggtgct 180
 ttgggttacg tcggaagccg ctgggtgaacg tgccccgacg tgctcgtctc ccggtccatg 240
 agaaaaccga tgagacctgg tttccgtacc cccagcaagt agagcccgtc ccagccattc 300
 atagaaactg cgttctcaat cacggggctg agttggggaa aattatttgg catctgtgctg 360
 gtggactcta ttccagcggg caagacggcc gaggaccaac ggatattgag cagatcgtga 420
 gcaaggccta tgaggatcta cttcgtctggc ggaagaatgt acccacgtgc atcgaatacg 480
 atgaagactc tttgccggac gttttgagct tgcagtgagc tgctccgacc ctactttcag 540
 catcatcaaa tcttgttctg tttcttttag tcttttctg actgtcaaag catggactac 600
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 gacgtggcga cacaggggtc agttgcatcc gccaggata gatgtatcgc ctcagcccac 720
 gccataaaca gactcgtcac aatgtataag aaccgctgga gctacgggta ccaagcagtg 780
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 gccagccacg 850

<210> 23348
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23348

gcagaaaaaa gatggtactc gatcacgttc tcattgaccg tatggccgcg gaagatgatg 60
atggcgaaga cttagaatcc attcttcgtc acggagccaa agcattatct gatgacgaca 120
actctggcga cataatctac acttccgaat ctgttgatag gctgcttgac cgcagccagg 180
cggagcaggc cacgaatcca gacacgaatg tctctgcttc tgagtttagc tttgctcaag 240
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ccataagcaa ccaaactgg gagaaaatac tacaagagcg tgaacgggct gcggctgagg 360
aagcacgaaa gaaagcagaa atccttggcc gcggcaagcg gaagcgggcg actgttgact 420
actcagctgt tgatgccgat cgggcccctg ccagagcgct tgcgagtcgc gagactgaga 480
gtgacgcgga attccgtgag gatgaagccg gagtagcctc tgattacagc atggaagacg 540
atattagtgt ttacgaaggg gcgaccataa aacctaaagg taattggcct atcgcaattg 600
ctttgttcaa acccccagaa agctaattcc atctgcagtt catgcatttc agcgggtcat 660
actccttcca caagttgcc aaactcctca gtcagtccaa gcaccaacgc cgaacgggtg 720
agggatgaat ggcatgtgg accgcaatgg ggatgcttgt tttgtctgcg gccgagttcc 780
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gtcattatg 850

<210> 23349
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 23349

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aggatttgaa gccgccgtac agttatgcga ctctcattgc acaggcgatc ttttcgagtg 120
aagaggagaa gctgacgctc aacaacatat acaactggat catggacaag tacgcattct 180
accgacattc gcaaagtggc tggcagaact cgatccggca taatctttcg ttgaacaaag 240
cgttccaaaa agttccccgt cggacgggac agccgggtaa gggtatgaag tggcagattg 300
ccgcggaata tcgtgaggaa tactggaaga agcagcttcg caaggcgcc caatcgtcgg 360
ctccgtcgtc accagcgacg aaggacccca cgcgaggtac cgccaccagc gggatggaat 420
ctgtcttctc cgctggtaag aagtcgcccc ctgtctcttc gcctagtctt agctcgtttc 480

ccgtggcgcc tgtggaggcg tacacgctg aacgcggatc gcgcgctggc cggaatggtg 540
caataaagcc cccttcgctt cggccgcccga acccgcgcca ctatgaagag ccgtcgccgt 600
taccacaccg gtccgcaacg aagaacgcaa ctggccttag ccgggcgtac gggctctcag 660
atgcagctac ccggtcgccg ccagtgttat cgtcgtcgta ttacgacgat ggtccgtctt 720
ctatgatcac gcccgcacca caacgccatc agccccggt cccgcctcca agcactgctc 780
agattccgtc caagttcatg ccaatgagct caccgcgcca gttctggaag ttcgccgaca 840
tcgggagtac 850

<210> 23350
<211> 553
<212> DNA
<213> Aspergillus nidulans

<400> 23350
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cctggggccgt tctataacgg ctcgttcaag gctgtctgag cccgagctgg ccagaagact 120
cacatcaatc gggaccacag gcacaatgga tcccaactac gaggtcgact ttgaggacgg 180
taatgaccag gccaatccga aaaactggtc gctcaagtac aaagccatgg cgattgctat 240
gctctcatat aacacactgc ttatgtgagt cagtcagggc tgggctgttt tttttttttt 300
tcagagttca ggataactga cctcaaaaag tgttctacat tcgacgtctt acacatccgg 360
aatctcacia atcgccgacg agtttggctc ctccacaact atcgtaacgc tggggctcac 420
tttttacctg atcggctctg ctattgggtc gatgatcatg gtcccgttga gcgaggtcta 480
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cgcgctggca aag 553

<210> 23351
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23351
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accggatcgc catctcctgt cgtcaccgcc gctaaagatg gggctccatt aaaagcagcc 120

gggagggcctt cgagatccct gatggatgcg ttgaacgagc tatggaaagc tgggggcatt 180
 cgcagtctct tcgctggtac gtgaggtttt catagcaata agaactaaac tgactggtga 240
 aggcaacgga ttgaatgttg tcaaagtcac gcctgaatca gccattaaat ttggcgctta 300
 tgaggttagt ttaccccggtg gatatagcat ttacaatgtg gataacatgt gctgacacgc 360
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 aaccacttc acaatttctg tctggcggtat ttggcggaat ggttgctcag tacgcagtta 480
 ttcaggtact cactaaaaaa tgaccgtcta acaatgaaac aggtgctttg tctatcctct 540
 tgatacattg aagttgtacg tgccctgtttt tgcttttggg actttcatgt gctaacttat 600
 gttagccgaa tgcaatgtga agttgtcgaa ggtggtctga aaggaaatca actcatagcg 660
 gcgacggccc gaaagggtatg gaacaaaaac ggcattttcg gattctttcg tgggtctgcct 720
 cttggcctca ttggaatggt tccgtatgcc gccattgatc tgtcaacttt tgagtacctg 780
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<210> 23352
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23352

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 ggcggcctcg aaaaatcacc caggcgctat gctccgaatg gctaaggcct gtcttgcagg 120
 agacatggga ttgggcaagc gctatcgaga aggtatcaag tggttaaagc gagcggcgga 180
 atcatccgat gctcaatata actcggcgcc ttacgagctt ggactccttc acgaaaccgg 240
 ttacggagat gatgtctttg tcgatccgtc ttatgccgct cagctcttca ccaagtccgc 300
 tgatctaggt catgtagagg cctgctaccg tcttggggat gcttatgagc acggaaagct 360
 gaattgccca aaggatcccg ccctaagcat tcacttttac actggagctg cgcaaggcgg 420
 tcatccactt gcaatgatgg cgcagtgcga atgggtacttg gtcggtgcag agcctgtgct 480
 ggaaaaggat gagttcgagg cgtacgaatg ggccaagcag gctgctgagc tcggtgagtt 540
 gtctgacact gtttataata attccggcta atgtaaaaca ggtcttgcaa aagcacaata 600

tgctgtaggt tacttcacgg agatgggtat tggatgtcga cgtgatccct tggaggccaa 660
 cgtctggtac gtcaaagcgg ccgaccagg agataccaga gcggtgcacc ggatcgcagc 720
 aattcgagct gcggcggacg gtgtcaaccc agcgcaggcc gctgcggatg ccaacgggaa 780
 gaagcgtaaa aatggtacgt ctccagtttt gacttattct actaattcta attgatgaat 840
 gatccagatg 850

<210> 23353
 <211> 308
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23353

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 atgatgaatc tgaagactca aatcattcag cgccatcaaa cgaatgtacg ctcttgccctg 120
 gggagctagc catggttgaa gtcacaatct ggggtgcgaga tatccggttc gtccgctcac 180
 ttaacaatgg acaattgaag ctccaagaaa tcctggctct tcgggtaaag gatggtagag 240
 atcattttat ctctacctac gggaattggc ttcctacggc ttttggacgt agcttggagg 300
 agctcact 308

<210> 23354
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23354

cgctgaggcc aaggccgagg gtgccgcaag tggcggtgaa ggcgctagcg gcaacgaggg 60
 ccgcaagagg gcgggaggac gtactcgtgg tcgcggctgt ggtcgcggcc gtgtaggtcg 120
 cggaacacgc ggaggccgtt cggtatgttg tttcaagcct ttttccttgt gttcagtaac 180
 cattaacgtc tttgacaggc ccaggccacg gagggggcgg aagagcagcc caccactgcc 240
 tctggcgaga ccgctcctct tgctgaggtc actaaccaga acgatgctgc tcccgccacc 300
 gagtctggca agcccgcgg gaagcctcgt gcccgctctc agaagcagcg tggccccct 360
 gaggatggca ttccttccaa gaccaagggt atggtggcca acctgccata tgatctgagc 420
 gaggagaagg tatgtccta actcgtccca ctacatatt ctgtgattgc taaaccacct 480

ctagcttaag gagatctttg ccgcctacca gccagtttcc gccaaaatcg ctctccgccc 540
catccccgc tttatgatca agaagctcca ggcccgcaat gagcctcgca agggctcgtg 600
cttcggtttc gtcacgcttg gttccgagga gcagcaggag aaggctgtgc aggagatgaa 660
cggaaaagag attgagggcc gtgagattgc tgtcaaggtc gccattgaca gccccggcaa 720
ggaggatgat gttcccggtg aaccactca ggaaactacc gaggctccgg ctgaggagaa 780
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tatccgatga 850

<210> 23355
<211> 597
<212> DNA
<213> *Aspergillus nidulans*

<400> 23355
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gaagcgggaa ctccctcgccg aagtcaagaa acaaggcgac caaggtattg gcgaagtcaa 120
ggtctccaat gtcattggcg gcaagcgtgg ccccaaattct atgctctggg aggggtccgg 180
actcgacgca aaccaaggaa tccgaattca cggcaaaaac atcaaagatg tcagaaggag 240
ctgcccaagg gccctaccgg cacagagaat ctgtccgaag ccatattctg ctggttctaa 300
cgggggaagt cccacgaaat ccatggcagc gcagttttca aaaaacggct caggaagagg 360
acctggaaac aaaacctaaa caggttaagc gatacaaaga aatcccccaa agccccataa 420
aatcaaatg cgggcctaaa aaaagccaat ctcaaagggt ttaaaagggc taacaagaaa 480
aacggggaca acttagcgaa cccatccttc agaaaaaacc cccacagaca aattaccccc 540
cacaaaaata ggggagggaa aaaaacagg caaaagttaa aaagcgcggt cacagaa 597

<210> 23356
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23356
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ggctcatctg gtgcaacctc gtcaacaatt ggtgcgattg gcgctggcg ccttgcaactt 120

ggggttccag gcgctaatagc tagtctaccc cgactgactg gatttgccgt cgcaagcaaa 180
 aaacgcaaca gggactttca ccagcttttc cgcagtgtcc cagaagacga ttaccttatt 240
 gaagattata gctgtgcttt gcaacgtgag atcatcttag ccggacgcat ttacatttct 300
 gagggccata tttgcttttc aagcaatata ttaggatggg ttaccacgct tgtcattagc 360
 tttgatgagg tggttgcat cgagaaagaa tccacagcca tggatttccc atatgcaatt 420
 gctattcaga cgttgcatgc gcggcacaca ttccgaagtc ttctaagtcg tgaatcaact 480
 tacgacttga tggtcataac 500

<210> 23357
 <211> 607
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23357
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 tcggccagga cctcggatta cgggcggaac tctatgggtg cagagatata ggacctgaaa 120
 gagcaggtca aggcccttga gaagcaactt ttggatcgtg accaacagct agaggagcag 180
 gcaaatacac tgtcagattt ccagaggaca ttagaggagc tggaaggatc agatgcgttg 240
 tcgatccgtg cccagctacg agagaagaat gaacgcattg cgcaactaac catggagtgc 300
 gacatgcacc gcgccgactt taggagtaca ctgcacacct tggaagtagc ggcttcggag 360
 accgagcgag tatacgagca gcggattgac gagcttatgc agcagaacaa ggaactacag 420
 gatcgcgggg aggatgttga ggctgttgca cgacaactta agcaactgga ggaactcgtc 480
 tcagagctgg aggaagggct agaagatgca cgccggggtg aagcggaggc cagagcggaa 540
 gtggaattcc tacgcggtga ggtcgaacgt acgaaactgg aattaaagaa ggaaagggaa 600
 agctctg 607

<210> 23358
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23358
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tggatgaaaa tacgattggc atatgtgcga ttatggggac tacctatacc ggccactatg 120
 aggatgtcaa agctattaat gacctgcttg ttcaacgaaa tatcgactgt ccgatccatg 180
 tcgacgccgc gagcggaggg ttcgtggcgc cctttatctg ccctgagctg gtgtgggatt 240
 ttcgtctaga gaaggctgtg tcgatcaatg tctcagggca taaatacggc cttgtatttt 300
 tacaactctt cctgaatgaa cgagcgaaaa actgacacca ggctaggtct accccggtgt 360
 tggctgggtc gtctggcgat cgctgagtt cctaccaga gagtcatct tcaacatcaa 420
 ctatctcggc gctgagcaag ccagtttcac gctaaacttc tctaagggcg cttcacatgt 480
 cattggccag tactaccage tcatccgctt cggtcgaaac ggttacaaag ccatcatgca 540
 gaatctagtc caggtatcgc aaaatctcgc ccgtggcttg ccagacctag gtctccttat 600
 cctcagtgc aacacaggaa atggctctgg cggcgtgcc atagtcgcat ttcggcttcc 660
 agacgatgaa agtcggctgt tcgatgagtt tgctgtttct gctgttctgc gccgtagggg 720
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 tggccatcta 850

<210> 23359
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23359

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 gtgttttgcg cctcgggttc tacgcgaatg cttagcattc tgcgctgaga aggtcttca 120
 ctgtattagc gatgaggtct acgccctgtc ttcgttctcg agttcggcgc cttttccgcg 180
 ctttactttg attttgtcat tactcgatga cactttgcct gcgactttcg ctttccgggt 240
 ccatgtcata tggagcgcaa gcaaggatth tggctgaaag gggctgagac tggttagcac 300
 tttagttgtg ccccaagcaa cattttcgtt tattcactcc aacaaatcct gggtcctcac 360
 ctggttacca tatcttaacc agtttttttag ggctgataat atcgagcca acgaccctca 420
 cggttcgggtt tttgctcccg agtccttga gtatcctttt taagatcctc atgccataac 480
 ctttttggtc acgaacctcc 500

<210> 23360
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23360

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 ctgggaagtg atggaagata tgctgaggca gaaagactct tgttttatgt cttgagattc 120
 cgagagagag ctgcgaggacc agagcaccct gacagccttg ccagtattag caatcttggt 180
 tcagtacttg caagccaggg caaatatcag acagcaaaag ccatgcatcg gcaggcactt 240
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 cttgggtcag tgcttacaca ccagggcaaa tatgaggagg cagaggccgt gcaccgacag 360
 gcacttcagg gttatacaaa ggtgctttgt cctgagcatc ctaaccctta tcagtctcag 420
 ctactttggc ttagtacttg gatgtcaggg caaacatgaa gaggcagaag tcatgcaccg 480
 aaggcacttc agggttatag 500

<210> 23361
 <211> 548
 <212> DNA
 <213> Aspergillus nidulans

<400> 23361

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 gcctccaaga gtcctcggtt ggtcgggacc caataccaag tagggttgtc gattcttttc 120
 gtcggctata tcctcatgca agtcccttca aacctgctcc tgaactacat gggccgcccg 180
 tcgctttatc tcggcttctt cattgtcgcc tggggtctgg tgtccgccgt caccagccag 240
 gtcacaaaact acgccgggat cgctgcctgc cgcttcatcc tcggtctggt agaggctcca 300
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 cggatgagta ttttctattc cggctccttg ctacagcggtg ctttcggaaa cctcatcgca 420
 gccggcattc tcgatggcct ggcaggcgcg cgcggcctgt ccgcctggca atggctgtac 480
 atcatcgaag gcgcaatcac ctgttttatt ggtctagtgg tctgcgtcgt gctcccggac 540
 ttccctga 548

<210> 23362
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23362

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 acggaactgt ctatgaacat gatttgaact ccaaccagat gcgacacggc ggtgatgcac 180
 aaggcctggt agacacactc gactaccttc aaggaatggg aatcaaggtc tgatttttgt 240
 tttcgtctca gcttcagcct tcgctaacca gatcttgttt aggggatcta cctcgcgggt 300
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 cgtgggatgt acgtcttatt cgacaacaact atcgctacgt gagtctgctg gttttccaag 480
 tcaaattgcgc gaattgtaac tacaccaag gatgggcgat ttgatcggat tcaaagggtta 540
 tttgaacgtt agcgccccgt tctctgtcaa agagcacgaa gctgtttgga agtctgaccg 600
 tcgctacgtc gattttgatt ttggaaacac ctacaatcag acctgcgagt accctcgatt 660
 ctggaacgag actggctggc ccgttgataa agacgttcgt gatgagctac aaggttgcta 720
 tagtagtgat ttcgatcaat acggtgacag ggaagctttc ggtgtatata cagactggca 780
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 acgcgagagc 850

<210> 23363
 <211> 514
 <212> DNA
 <213> Aspergillus nidulans

<400> 23363

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 aaccgcgtcg ctccggtcgc tcgaccaagg gccagcacia gagcctcgac atgggtcaacg 120
 aaacgccaac aaagaaaacg aaagctaaag cgcagcccag agataaaccc ccgaaaccct 180
 ccgcagagcc tcccccgcg cctagcgagg aggaagagat tatccggtgc atctgcggcg 240

aatatgagga agaggaagac atcgagcgag atatgatttg ctgcatcag tggtcagcat 300
 ggcaacataa tgattgcatg ggtttgacat tcgcaaggg cgaagtggcc gatcagtact 360
 tctgagagca gtgcaagccc gaagaccatc cgggtgtcat ggacaagata gcaagaggcg 420
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 cacgacgcaa gaagggaagg agaggaggca agag 514

<210> 23364
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23364
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 tcttgccggg cgacatacct cggcagatat acgccaacat ggatggccgc caccaggtat 420
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<210> 23365
 <211> 502
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23365
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 ctgacggggtt ccgggccttt gccaggtat cgctacagaa atgtcaggcg atcgatatctc 180
 gagtcctctc cgcgtcgacg gtggatgaat atcggggcct ggtacgtcag ttggaccgcc 240
 tgagcgacct gctgtgtcgc gtcattgacg tgcgcgactt tatccgtgcc tttcaccggg 300

atccgcccgt tcaagaggcg gcaggccagg catatgcctt aatgttcgag tacatgaacg 360
 tgctcaacac cacaactggg cttcatgatc agctacgggc cgcgctgaat cagccggagg 420
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<210> 23366
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23366

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 ctccgtggac gaagcactga ggcaagtttc agctcacact cgggagccgg aggttatcga 180
 gggtccgggtg aatattgacc tcgtcggata cgttatcgcg gaagatgttt acgccgccga 240
 gggcggttcca gcataccttg caagtatcgt tgatggatat gctgtcattg ctctgaatc 300
 tccagatgac ggacacagta caaagggaat ctttcctgtg gcttctatta cccacgccaa 360
 tgaggaggga gcgctagcac cgcttgagcc aggcaccatc gcccgataa caaccggcgc 420
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 gacacctgat ggcaggaaga 500

<210> 23367
 <211> 849
 <212> DNA
 <213> Aspergillus nidulans

<400> 23367

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 tccaagtct tcccaggag ggcagtagcc ttgcaggac ctctgacaga ccccaaacat 240
 ccagatcgcg caagcctgtc cctcgaaaac tgaaaagcac aaatattcga tgttgtgttt 300
 gcgaccgcag tcatagtcca acgagcaata ctatcgtgtt ctgcgataga tgcaaccgcg 360

catggcatca gcattgccat gacccgcccc ttcagagcga agtagttgca atcagagaga 420
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 ttgtaactgg agccgcagct acctctactt cattacctac tcatgcgaat aatgtcgcgt 780
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<210> 23368
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23368
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 ggctggtgct ggccgctgcc cggaacaacc cattaatccc tttgctggga atttcgtttg 180
 atactttcaa cctctttcat cgctgggtcg gtcgggttat tgctggttga gcaatcatcc 240
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 gggaagtacc attttttatc tgggggatga ttgtacgttt tcttctccgc tgatggactt 420
 ttcagggttt actgattcag caggctcttt ttggatttat tctcatcgcc atacaatccg 480
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<210> 23369
 <211> 706
 <212> DNA
 <213> Aspergillus nidulans

<400> 23369
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 ggcaccttgt cgccttggtt cgggtcgata ccagcagctt tgggagcggc gaggctttct 240
 ggtacggcac ttgtactgat attaatgatc gcaagaatct tgaaaggga ctcaacacgg 300
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 aaggcaatcc acaaaggctt tgaaatgaac tttcttatgg ccgtgggttt tccgctatgg 660
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<210> 23370
 <211> 844
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23370
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 atctcgacag gtcgaacgtg ggtatgcagg tcgtttcgct cgaggatagc cagacttaac 180
 tgttggtagg gaacgcaaaa tcatgaattc gaccactggc gacaccctga tggaggccaa 240
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 ctcgtcattg cgttcgggtc gttgtgcact ggtatcgggt tcacgcacac ctttacagaa 420
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 ttctatttta cttctgggtat aagccgagcg agcgcgctat ccggtatcgt atttatatgt 540
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 ggaactcaga ttcttatatg ttaggggtcat cgcatacggg gtcgggcac tcaacgggtca 660
 tcaaggcctg gaaggctgga gatggctctt tataactcaa ggagtccta gcagtgagtg 720

ggtatctgcc gcacgctgac gaccagatgg ctgagtaatt gcagttactc ttggactcct 780
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<210> 23371
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23371
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 ctgctagcgc gctaactaaa gtgtttgtgg accagatctc cagtgccttg gcgggagggg 180
 ctttcaaaat gtctgaaggc aagacggggg aggaagttgg tcagcaactt ggcattctcag 240
 tcgaggaggc tttgtatcaa aatctaattg ggggaggtgg agaggctacc tcagaagctt 300
 ataagataca actgcggggc attttgttca acgtaaagaa gaacccttct ctacgggatc 360
 gtctgctcgt aggtagttaa actcctgatg cctctcttag aatgagctcc caagagatgg 420
 caagcgagga gctacaacag aaagatgctg agatcaagcg agaggctgaa agacagcaca 480
 tgatcattca ggaacaaggg 500

<210> 23372
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23372
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 ttctggagtg gcacgatgaa tcgctcaagt ctatatattga ttctattgaa aagatcccgg 180
 tcttgccgga gctagattga acaagcgcac gaacagataa ccattgctgt tttctcaatt 240
 cttgcacctt acgtcctgcc catccttcag caggtgaaag ctgagctgca gactggatca 300
 tccgaagtca tacatagcag cagggatcag catcatgtgg tctttaacga tgattcttgc 360
 ggcaatccca ctcatcgcg gctttccaaa gatcactttt caaatattct taatgaaccg 420

gccggtcgtg tcgcttccca aattgtcaaa tggacagtgc cgcagctgat ggagctatgg 480
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 ggacatggct gtggaaaacc acttagcctg cacaagggcc cgcagaattc cagtcaaaga 780
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 ctgggtggcc 850

<210> 23373
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23373

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 tgttttataat agtgagcgga ccctgtcgta tgatgattag cgtacttaca tgaacaggcg 180
 actggcgctg acgccgcggg ctggctccac catggaatgg cgaaccgctt gtgcctggac 240
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 tacactgggc ggatttgctc tatgctggta cgctctttag tctgttcttg aataagctct 420
 aacgtctata gaactcgcaa ggagctgtca aagccccaga ggatgaagaa gtcccgata 480
 cagatagctc cgctcagaaa gaatttaagc agctacgacg agcaataatt ggcattagcc 540
 aaatacagga aaggattata ctctcactgt aagtaggcca ctgaacacgc ttacgagcac 600
 ctaacacctt cagatgggcc ccaaagcccc tattgaaaga gcatcagcg tcttctttcc 660
 tccattcttg cctgcttgac ctcaaactcat ggttctatga cctacctacc gaactccgaa 720
 tcaatcgccc aaccccaaac acctatcccc aagcctacac cctccatatg gtctatcata 780
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 aagcagtcaa 850

<210> 23374
 <211> 458
 <212> DNA
 <213> Aspergillus nidulans

<400> 23374

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cctagactca cctacgcaga gaggagcgac aggtctcttt acacgtatga ggtcgtcctg  180
cccctcgga ctcaagctta tagcgaggag gaaggttccg gctcagcgga catgtcagcg  240
catgttgaga ctactttaga caaactccga ctacggtttc cctaccgtaa agcccgagct  300
cgccccctcg ccgtacaatt ggtcttaaga aagatgaata cactcatgac aggatgaatg  360
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<210> 23375
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23375

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gctctacagt ggatatttcc tctacccttg ttcattgtcg cgtggttttg ccccgagtct  180
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cagtgcgcgc tgttgatgat ttggttcttc tgctaccccc aagccccttc ttcttaactc  600
ttaagttttt catttgcatc tcctcttact cccccggta ttaacgcct taggatgcct  660

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attggaccga ttccatacgc aatcgcagca gaaatcgggg ccagcaatct ccgcaacaag 720
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<210> 23376
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23376

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 cgcttgcttg ctggcgcgct tccaccgtac atgcagccgt caatcttcct gccgacgaac 780
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<210> 23377
 <211> 327
 <212> DNA
 <213> Aspergillus nidulans

<400> 23377

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gatgaccaga cctcggtga cactccg 327

<210> 23378
<211> 390
<212> DNA
<213> *Aspergillus nidulans*

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ctggcttctc ccgtacatta cagtcatgta ctgaccggt ccgcttttct tatccgtgat 180
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<210> 23379
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<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 23379

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caagaccaac aagagggtct tggggttgaa gcacccagc accgcaagat ccatggccac 180
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gtgcatgtat agacttgccc tgacctggag ggcagcg 457

<210> 23380
<211> 479
<212> DNA
<213> *Aspergillus nidulans*
<400> 23380

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<210> 23381
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 23381

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 gtgggtccaag gagggtaggg aatttagctt taggctctgt aaaaggcctg gtcgggcaca 780
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<210> 23382
 <211> 326
 <212> DNA
 <213> *Aspergillus nidulans*

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 aactatccgg ggtctacgaa atataccgag ctatagatga atggctacaa ccatgggttc 180
 gtggggagcc gttcttgcac ccatagatga aaaaatgggc cccctgtggg ctgactgccc 240
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<210> 23383
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 <212> DNA
 <213> *Aspergillus nidulans*

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 gccggttcgt tgcggccttt ggactgggaa tagtggctac tgctgcgcct ccgttgctta 180
 ctgaagtcgc ctaccgacg caccgtggga aactcgtctc cttctacctg gttacatggc 240
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<210> 23384
 <211> 561
 <212> DNA
 <213> Aspergillus nidulans

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 aatcgagtcc agcaacgcat accttatgaa gaatggggac tgaaaagcat ccgctcgctt 240
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 caggagttac ataaacgaag gatgtgggtg agcttgattg cagcgccctt tacagcgcca 420
 attgggctca tccccttgta tgttttgcat ggtcgaactg tgctcttgct ctgatgggtg 480
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 gaggctgggtc gcactggcga g 561

<210> 23385
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23385
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 tattcaaggc cgtggaaagc cagagagaag aagcttggct gccctaattc cctcatcgaa 180
 atggcgcccta tcacgaaaca gcgcccgtcc gcgaaagacg acgatttcgt cctaacatta 240

tccgacgatg agaatgaccg atttgacgag ccccaggatg aagacgctac ttctatgtcc 300
tcaagcaaaa agcgcaaaaag ggaggctggt gagaatgctg cgccgacaaa caagaagatg 360
aagcagcagc aacatggaaa gcaacaaaaa gggaagaagg ggaagcaggc gtcaatggag 420
aaggaggcta gatccgatga tgaagaggaa gaagaacaag acgcgggcga ggacgacggc 480
gcgctagact cagagtttga 500

<210> 23386
<211> 835
<212> DNA
<213> Aspergillus nidulans

<400> 23386
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agcccaaat cccagacaga aattcagcgg aataagaaag caaggcctgt tgaaagagcg 120
atatctcagg atgacaagga cttacccgag aatgggccag ccagtaatac tcgctcaaag 180
tcctctcaaa ggagcaagtc ggtcactaga ggtagtgtgc taaggcctgt tccgcataat 240
acacaagaat ctctcatatt ctccaggcgt cgttccaaag gcaagctata cactgcacta 300
agaacgaagg tagttgattg ggacgaagat ctccgagcaa gtgatggttc gcttgagcca 360
caaccccgagg aagatgccga ttttacttct gtctcttctc cttcatccag cggtgctcgc 420
tataccttca ataaaagtgc cacagggttct tggacaagct ctgccagaaa gaaacaagcc 480
acgaagatta ggagacaatc tggcactgga agcaagatga aacctagaag gcgcgtgaac 540
aacaaagcca aacatttatt aacacaacac atgaggtcca ggaacggcaa taaccagtgc 600
agcccaaatt caagcagttc tgagaaagag ccagattgta gtaccgcagc aggcaagcat 660
gacatatgca atgggatctc aaggagcctg gcttcagaga gtctggctgg agccaataac 720
tcgtcgcaag cttgcaaaac ggaggacata agcaccgggg tattcaaatac ttccttgcc 780
cagaattcca ataactccaa caggcaatct atgtttgaga ctagtttgag ggagg 835

<210> 23387
<211> 392
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 23387

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gcctgtcgtt ctgctcgggt gaagggaaac cggatagggtg gtgtcactaa agcagtgcag 180
atcgcanacc tcaagaagag tctaaagaat gtcgcgctcg ggaaggcgtt tgttttacia 240
ggaggtatgg ctcttccttc gattgactga ggaagtagac gctaaccgtg tccagggggac 300
tgcgcgaggt tgttcgatta ctgtaatcaa gatatgatcg aggccaaagt caagcttctg 360
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<210> 23388

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23388

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ataggcgtag tcaagaccaa gcaacatgca atccgttctc cagcctatta tcggccccaa 180
gaagacggcc gaagatctgt cgggccgtgt tgcaataata acgggcggag catttggtcat 240
agggtgagtc tctgagccct gaagtagatt cacgctgaca aaatgccagc tatgaaatct 300
cccgagcgtt tgtacagaac ggcgcccgcg tcattatggt caaccgtaag gaagaccaag 360
ggcaagaagc gatcgacaaa atcaaggagg aagccgggtc cgatgcaaag atcgagtggg 420
tgccgtgtga catgggcaat ctggcccaaa tcagagaggt cgcacgaga tttgtcgaga 480
aagaggagcg gttggatctg 500

<210> 23389

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23389

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gcaggagccg gtgcgaacca ggtctgggac gccatctacc gcgaaaactg ttttctcaag 120

ccggtacccg agcttgagca atcgtccttc actccgctgg gcggactcca ggctatacaa 180
 gatttccaaa atgtttctcca gaaagagtcg aagcggccag atctgttgcc gttggataat 240
 gagtgtgtag agaagcgggt cttccatcgg ctcatctagtg gaatgcatgc gtctatctcg 300
 actcatctgt gctgggacta ccttaaccag accaccggac agtggcatcc caaccttcag 360
 tgtttcaagg agcgggttca caatcacctt gagcgcattt caaatcttta tttcaattac 420
 gcgctggtgg ctgcgcgggt gtccaagctg cggaagcacc tggaaggcta cacatattgc 480
 ctgggtgacc cggcgcaaga ccaagacacc aaagagaaaa tctctctctt gacctctact 540
 cttgctgaac gtccacaaat ctttgatgag aacgtcatgt ttcaagatcc gggcgccatc 600
 gacctcaagg aagacttccg gaaccgcttt cggaacgtca gccgactgat ggactgcgta 660
 ggctgtgaca agtgccgtct ctggggaaag ctccaggtca atggctacgg cactgctctc 720
 aaggttcttt ttgagtacga cgagaccaag aacggcgaga atcctcctct gcgccgaaca 780
 gaactagtag ccttgatcaa cacgctaggc cgtatatccc acagtatcgc ggcagtgcga 840
 agtttccatc 850

<210> 23390
 <211> 704
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23390
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 aacaccccg ctcctacatg cctcgtctca ccgacttccg caacccttt caaatccact 120
 caaaaccttc ccgtgccgtc ctccacaaca tgcaagaacg cctcgaccgc ttcctcaaga 180
 tcctcttgtc tcacccaacc ttctccaccc acgaacttct ctgggaattc atcctcgctc 240
 ccgaactcca gcctcaaag atggccgacc gctctcaccg gaaagcccag gctctgtccg 300
 aatccatcat cgaagaccat gaccaatca cttcagaagg catccgtgaa gcagagcagt 360
 tcatttccca cgcgcaagac atgggttcacg caacacacac tcacaccgg tctctcctac 420
 gccgaggaca cgcccttcaa aatgcgacct ccgacatcgc ggacgccgtg gccctcgctg 480
 catcggtctt ctcaaccctc aaatactcaa ccaacgccct tccaccatct cacgttgatg 540
 ccttttctcg ctacgcatcc tacctctcaa cgtaacttc agactcctct ccactcctcc 600

aattcctgtc gaccctctcc tcaatcgata cgactacctc cgcaatttta tcttcactct 660
 cgcgccctct ctccctaatt gcgtctttaa attcctcaac acga 704

<210> 23391
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23391

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 aaaggagatc acggcgctct cgacaatata gacaaagtcc ttgccggcat tctgtggtcc 180
 cagaaattga ctccgaagca acggctgggtg aaacgaacgc ctccgcctga gaagctcgcc 240
 agagatccca gcagcgacgg agaggagaag gaggacgtgg aagccgcgca agcccggagt 300
 aagttggttt cgacgctcgg tatcgaggat cccatcttta cgaaacagtg gcaactgttc 360
 aataccgtac aagttggcca tgacctgaat gttactggcg tctggctgga aggaatcact 420
 gggcacgggtg caacagctgc gattgtggat gatggcttgg atatgtacag cgcgatcttg 480
 agcccaggct acttcccgat 500

<210> 23392
 <211> 735
 <212> DNA
 <213> Aspergillus nidulans

<400> 23392

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 cccgtttgaa gggctcttcag gaagacctca acatgaacta cgacgagtac gcgacgtgtc 180
 tgagtatcct gtatgttggg tatattctga tgcaggtccc gtcgaacatc ctcatcaacc 240
 ggatccagag gccttcgctc tacatctcgt tggatcatgac tctgtggggg ctgatctcga 300
 ctctgtcagg cgtcgtccac aactttagtg gaatggttgc tatccgtttc tttcttgggt 360
 tcgtggaagc tgctttcctc cggggagctc tcatgatcct gtcgaagtgg tacactcgca 420
 gggaactcac cacgcggaat gcgattcttt tctgtggaaa cctcatttcc aacgccttct 480

cgccctgat cggagccggt gtcctctcca acatgcaggg cgtccttggc catgctgcat 540
ggcgttggct cttctggagt atgtcttgct aaaatacacc ttctactcct gttttagcac 600
agtcactgac atagtatagt tgagggcgct gctacaatga ccatcgccat tgctgctgcg 660
atcatcctcc cggatctgcc cagcaacacg cgcggttca cccaggaaga gcttgaagtc 720
gctcagctcc gaatg 735

<210> 23393
<211> 500
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 23393

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cctcagcttg cgagtcgcga gtagcagccc tcaacgccct cccaaataaa cgccccggcg 180
cacaagcaat ctccattcca gccgactcct ccaaagtctc tgagatcgag cgcttggtat 240
cagaagtcag caagacaacg tcccatattg atatcctctt cgccaatgcc ggcgcgacct 300
ggggcgagga attcgaaaag ttccccgagt cggcattcga caagggtgctc gacctgaatg 360
tgaaatctgt ctttttcacc atccacaaat tcttccccca gctctccgca aaggcgagtc 420
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gaggctagaa cgnaagcttc 500

<210> 23394
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 23394

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tggggtgacg tccaggaggt tttgcaacgg gaggacgtgc cgaagtcgat tgaagtgcct 120
ctcgatttct accccttgct agtactcttg aacaaaggga ttgtattagg agtgaggccc 180
gaaacaattc aacggcgcgga tgtcacgttc gtagtggtga aatttgctat tcgagtacgt 240
tctcaaattc attacagttc aaacgcagge tacgttaaca ctcgatagac acatctcttc 300

ctgccatact tcttgcagca cagtcttgtt caggggtgata tccctgcagc gcactcacta 360
 tgccagcatt tctcccatct ttcatacttc ccgcacgcac tggaaatcct tctacaccat 420
 gttttggacg aagaagtgga caatgtggcg cgtgatagca aatttgatga tcaaattcct 480
 aaacatgacc ctcttctacc ctcggtcatc tcattttcttc aggcctcact tccaccacgc 540
 atatacttag atgttgctgt tcaatgtacg cgcaaaaccg agctccgac atggcgctacc 600
 ttattcgctt acctccccgc cccgaaagac cttttcgaac aagctcttaa gctcaactcc 660
 ctcaaaacag ctgtggggta tctgctcgtc ttacaagcgt ttgaagacga gtctgagggc 720
 cacgatgccc cgggtgaaga ttatgttggt agactgatga tattggcgct acagagaagc 780
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<210> 23395
 <211> 380
 <212> DNA
 <213> Aspergillus nidulans

<400> 23395
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 cacagtccca tatttttggct ctgctccgtt gtcgttcaac acgaaagatg cacgccctga 120
 gaagcaaggg tgggttaatt tacgcacggt gtcaagcaga ccaactcgca ctacttgggt 180
 taggcgttgg gattttttga agaacggaat atttggttgc ctagtgcagg gcatgcggac 240
 gggcgctgtt gaagaaaaccg agaggatcgg agtgctgctt tgcagtattc ggccggcatt 300
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<210> 23396
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23396
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 caccacacac tctgtcgtc ataggggcaa accaagacga ggactacagc gggttctgca 120

acgaccaggt taccgtgtgc cgatgggaag gatgtgattt taaagacctc gggaacatgg 180
acgacttggt ccaacacatc cacaacgagc atgtcggtag ccggcagaag aaatattcct 240
gcgaatggtc cgattgtact cggaagggtc aaacgcatgc aagcggtac gcgctacgtg 300
cgcacatgag gagccatacg agagaaaagc ctttctactg cgcgctccct ggtatgtttt 360
attacccctt cgcttcttta ccatttgttt cgcgtaacaa tgagctcaac gcgatgctta 420
caatccgacc agaatgtgat cgcagtttca cccgttccga tgccctcgca aagcacatga 480
gaaccgtaca cgagactgag 500

<210> 23397
<211> 837
<212> DNA
<213> *Aspergillus nidulans*

<400> 23397
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tctctccgta cgtttcttat gcactgccga agagcaacag cgagtataat catctccgtc 180
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ctgatagcaa tggactgccc accactactc tgcgcaacaa aatcaccttg tcgcgcaagc 360
ggagcacttc gaaaactcag caagcgctca atgcaaatac agaccccaaa aagtctgact 420
tgatgcctcc tcctaagctc ccggcttccg ccacctggaa caacctttcg acaggaaagg 480
attcgagtcc gaccctaaag ccatcatacc tcaagtctag gcggcaatct tctttaacta 540
atgtggcaaa tccagcgctc agaaaaccga gcttcagcag cgagcagagc ctgtcactat 600
cacctactgt ctctcgggag tctcatgaaa gcgataactc ccaacatcgg tctgcgtctt 660
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cgcaaactga gaaccgaatt gagacagaga ttgcgatcgc ggacgaggaa atgcgaagat 780
taggcaccaa gcggaaggat tttgaaaaag ctgcaaggga gttggatgaa ttgcgca 837

<210> 23398
<211> 500

<212> DNA
<213> Aspergillus nidulans

<400> 23398

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gtgtttgtcc atcgtatgac tgactctgtc ttccaataga ttacctggg gcattgagat 180
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cttgcgatag actgcactcc gtacctctc caactgggcc tcaccaagtc acgaacgtca 300
ctcgtctgga tcgccggacc tctttctggg ctggttatac aacctctcat aggtgtcatt 360
gcagacaggt cacggtctaa atggggaaga cgaaggccat ttatgattgg aggatcattg 420
attgttacgg tgtgcttgtt ggtgctggga tggcaacgga gatcgtcggt gtctttgtca 480
aggacgcgga gaaagtattg 500

<210> 23399
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23399

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cccaggtgta tctgcactgc gctgatattg ctattgtggg tggtagtggg tcatcaccta 120
gccctacttc gaccacatcc actgctacct caacgactac accttcttcc accagttgcg 180
cgtccgcaat ctctataccg gtgacgttca acgcgcattg tacaactacc tatgggtgaga 240
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cagtcggggc cacattcgaa tacaagtata tcaagaagga gtcggatgga agtattgtct 420
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<210> 23400
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23400

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gactatctca cattcgtacc attttagacc ctctgtctgcc cttcattcaa gactcctcgt 180

ctacgccctc attctacttc gtaaagaagg ccgaccctgc ctcttgtatg gcgaccttta 240

eggccctcgc gccaacgtta agcatccgaa tatgccatcc tgtaacggca aactcccaat 300

ccttacgcaa gcccgcaagc atttcgccta cgggtgaaca caagattact ttgatgctcc 360

gaattgggtta aggtttgtaa aatccaaaat tctgcttttg aaaggtctta ctaaacggca 420

ttgggggggca ggatttattc cgctatggaa acaaccggta atctttcggc ctggcctgcg 480

ttatgggcaa agaccgcccc 500

<210> 23401

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23401

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catcgcgga cccggccagt agggatatctg cgcttatgat ggagcgcttt tatatgcagg 120

gctgtcgaaa ctctcttcgg tggttggtga acaactaaag actttcggag cgcgccctga 180

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gcagctcatt agcgagatag agccctgcgc tctaattacg acttcggttc tttctgaatt 360

ggcagacgac atgggatgcc cttctctcgc gatcgacacc gatctcactc gcagtaaaga 420

aggctcgact ctaacattac ttccaaaaac aagcgcaagt ccaaacaatg ctgcctaggt 480

tatcttcacc acagcagtac 500

<210> 23402

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23402

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 cgtgctgcat cccctcgctc cgaaagcgct cttgggttctg ctggcgcttg ccttcctgcg 120
 ccagacaaac cgaataactga ccaattgggtc aatgaacaac ggcgaacgcg acaggtttga 180
 ccatgaacgc gaactgggtcc ttctcacagg cggtgcagc ggcacggca agcagatggt 240
 ccttgatcta gccaaaggga acgttcgcgt ggtaattctt gatattcaag aaccctcttt 300
 tacgctgctg acgtggaaag aaaacaagtt cagaacttcg ttcacctatt gactgactgg 360
 atgcagcatc cggcaccgca ttcttcaagg ccgatatcac ttcgtccgcc agcatcgccg 420
 aagtcgcaga gaagatccgc gcagagcatg gcgatcccc agttctcatc aacaacgcgg 480
 gcgtcggcac gatggcacga 500

<210> 23403
 <211> 391
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23403
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 ccggcctggt gatgcctcga atgtgaagac gttcttcacc ctgctcaagg cgttcattgg 240
 gactgggata atattcctgc caaaagcttt ccgcaatgga gggatcctgt tctcgtcggt 300
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 gagacggtat ggcggagggt atggcgatct t 391

<210> 23404
 <211> 721
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23404
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 cagaggagcg tccacggcct cgatgagaac ggaggctggt cgtgctgcat tggcaatgga 180

agtcaggagc tcattcatcg cgtcatccag gtcttcaactg atcctgggga cccagttctt 240
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 aaccaaccg gtcaatcctg caccgagagc cgcaaggccg agatgtaatt actcctctgc 600
 ccagccactg ctccagacct gagactgaca gttccatccc gacacctata gtctccgtct 660
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 a 721

<210> 23405
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 23405

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<210> 23406
<211> 775
<212> DNA
<213> Aspergillus nidulans
<400> 23406

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<210> 23407
<211> 551
<212> DNA
<213> Aspergillus nidulans
<400> 23407

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<211> 850
<212> DNA
<213> *Aspergillus nidulans*

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<210> 23409

<211> 845
 <212> DNA
 <213> Aspergillus nidulans

<400> 23409

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<210> 23410
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23410

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<210> 23411
 <211> 549
 <212> DNA
 <213> Aspergillus nidulans

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<210> 23412
 <211> 460
 <212> DNA
 <213> Aspergillus nidulans

<400> 23412

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caatcatcat cagcgagtac ggggcagaca caatggcggg actgcactct gtgctgggac 240

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<210> 23413

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23413

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850

<210> 23414
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 23414

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<211> 314
<212> DNA
<213> *Aspergillus nidulans*

<400> 23415

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 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

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<210> 23417
 <211> 760
 <212> DNA
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<210> 23418
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23419
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23420
<211> 595
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 23420

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<210> 23421

<211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23421

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<210> 23422
 <211> 318
 <212> DNA
 <213> Aspergillus nidulans

<400> 23422

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<210> 23423
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23423

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 <213> *Aspergillus nidulans*

<400> 23424

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<400> 23425

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<210> 23426
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23426

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 gtgggcattt aaacgcaaca tacaacggta ctgctggatc cgaaactgga ccgtcttcgc 240
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<210> 23427
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<212> DNA
<213> Aspergillus nidulans

<400> 23427

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<210> 23428
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23428

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<210> 23429
 <211> 365
 <212> DNA
 <213> Aspergillus nidulans

<400> 23429

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<210> 23430

<211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23430

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 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
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<210> 23432
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<212> DNA
<213> Aspergillus nidulans

<400> 23432

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cacgtccagt ggaccgttgc ccgtgacggg cagatgggtt accaccaccg tacctcttgc 300
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<210> 23433
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23433

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<210> 23434
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

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<210> 23435
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 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
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 <400> 23436

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<210> 23437
 <211> 500

<212> DNA
 <213> Aspergillus nidulans
 <400> 23437

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<210> 23438
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 <212> DNA
 <213> Aspergillus nidulans
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<210> 23439
 <211> 804
 <212> DNA
 <213> Aspergillus nidulans

<400> 23439

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<210> 23440
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23440

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<210> 23441
 <211> 751
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23441

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<210> 23442
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<213> *Aspergillus nidulans*

<400> 23442

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cgcagataca gacttctttg ccgctggcgg cgacagtctt tcggcgggca agctcatctc 420
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tgttggccat atcacagaga 500

<210> 23443
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23443

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tttggaggga acttcactaa cagatgacag cgacctgttg gaacgagagg tttctgggat 180
ttcgcttgac aagccctcaa gcgatgaaga tattgactgc ggcattatct ccgatgaagat 240
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ccaataccgt tcgcccgaag tcattttggg atccaaatgg ggtgctagca ccgacatctg 360
gagcatggct tgcattgtaa gttttgcccc aattttccat ggcgataact aactcgcgta 420

ggtttttgaa ctaatcaccg gtgactacct gtttgatcct caatcaggta ctcggtacgg 480
 caaagatgac gatcacatag cccaagttat tgagttgctc gggccattcc cttaaattctt 540
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 tcaccgactc cgccactggt cgttacctga tgtactacgg gagaagtatc acttctcagt 660
 ggcacaagcc aaggccatta gcgatttcct cctgccgatg ctagaagtgc taccggaacg 720
 acgggccaat gccggcgga tggcatctca tgaatggatg aaggatacgc gaggaatgca 780
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 ggaggtgaag 850

<210> 23444
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23444
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 agctgtctga acggtttgcc cctctttttc tgacaggtgc attcctgac ttgctaata 180
 tcaccagat ggagtccac ggttccacca ctctaccggc ctctaaccac acagagggca 240
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 aaccctgcgc gcactgtcag gatacaggga acgactgtgc gtacgcgttc gtagcaaagc 360
 tggggaaacc gcgggggagc cgcaacaaaa agaccatcga gcgcgagagg gagaggcaga 420
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<210> 23445
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23445
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gcgacgaagt tcgttgagcc tgcgcttggg gctgcgacgg ggtggaattt ttgtacgcac 180
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 tgtccatcac ggccgcagcg gaagtgaccg cagccgcaac actagttcaa tattggcacg 360
 tcgacgtcag catcgcagtc tagattaacg tgttcgcgct gttcatcctc gtgatcaatt 420
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 ggaacatcca ggtcgcggcg atatcgggct cagagaccgg gaacccgcaa acggtcaccc 720
 cccgcgcgat gaggaagacg ttcgtccggg tgtttctggt ctatgtgctg agtgtcttta 780
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 acggtcgccc 850

<210> 23446
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23446
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 ggagagcccc gtacttacat ctaccagaac gtctacgagc tgccagcgga tattgacctg 180
 gccaaattct gtgctgcctg ggagtctgtc gtcaacacca ccgagatctt gcgcaccacc 240
 ctgcttecta ccgacactgc gagcacatat cagggttgta tcaagccgtc ttccatcgac 300
 tggaaatata cagccagcgt ggaagagtac ttgaaatcag atgcgcagca gacaatgcta 360
 tatggagagc cactggccag gtacgctctc gttccaggca ccccgggcgg ctcatatcg 420
 acatttatct ggactgtca tcatgccctg tatgatggat ggtctctgcc gcttctgtgg 480
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gaatcctatc tgtcctcgtc aaatcccccc aagttcccg c aattgcccta tcagacatac 660
aaacctcgtg tcaacaacat tcatcagcac gagttcagcc tcaaggccac tagtcagtca 720
tcaggaaatca caacctccac tctcattcgg gccgcctggt ccctcctcat gagccaatat 780
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cggccgtaac 850

<210> 23447
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23447

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aactcgaact gatgatgtta ggacgccatg acggaagaac agcgcacatga ggagggccga 180
cgcatgtttc agatatttgc agctcgaatg tttgagcagc ggggtgttgac agcctatcgc 240
gagaaagtag ctgaacagcg ccagcagaag cttattgaag agtccttga agaggagaac 300
ttaaacgagc agcgaacgc caagaaagct aggggaagccc agaaacgaaa agacaagaag 360
agactcgcca agttagcaaa ggatgaagaa aaggctcgaa gagaggcgca gaaggctgca 420
gaggaagctg ccgctaaagc tgagcaggag aggaagctcg aggaacaacg gaaaaagaag 480
gaggagcaac ggaagaagcg ggaagctgaa cggaaagcgc aggaagaaga gcgtgctcgt 540
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gagcgtgagg agcgagaatt gagagagcaa aaagccaagc aggaacgaga gcgtaaagct 720
caagatgagc agtcgaggag ggaacgggaa cgagttgcgc aggaacaagc caagcgggcg 780
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tcaaagctca 850

<210> 23448
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23448

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gttccttagt tggatagaca gagttggaca cgctgcacct ttgcatcct cagtctcccg 180
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ggactccagg ttgcgagtta aaggagtaga gggctctcgc gttgtagatg caagcgtgtt 360
tcccaacaat gtgtctggta atataatgag tagtgtctat gcggttgccg agaaggggtc 420
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gtggctctga ctgctctata 500

<210> 23449

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23449

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atgtagacga aatcccaagc agggcacgaa atatgggccg ttgctctgtt ccaagggtggg 120
tcaacatggc aaaggccaat gtctcatcat ctacctctc cggcgcactt gtgggctgtt 180
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aatggtcacg atactcttcc ggaacgtcaa tgtccaattt ctgcatagga atatgctctt 300
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gttcccgccg cccggaacc aactccagca cttcaccca actgacgcct gatgggatat 420
cctccaactc atcttgctca cacaccaagc agcggcatga ctctgatgat atatcgccgg 480
caaaaacggc ctccagtcgg 500

<210> 23450

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23450

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 aacccaaact cgcgtatcat gaatcgata ccggtgagcg atgccgggtcc accaccgga 180
 gaccctcgtg agggttacat ggagtcaccc gttaggctgc cgtcaatata tccttcccc 240
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 tattctcaa catggtctcc acagcagcag cagcaaactc cagagccccg ccagggttc 360
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 ccttgggcag cgccaaagcc aaagccaact aggcttgagc tcctcgccccg gggcgcaagt 480
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<210> 23451
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23451
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 cagctgagat cctcactgca tccgcttatt ttcgctgccg tgtacactgt tgcagacctc 180
 gtcgcacgca ctctcgact cccccccaca tcacgcgctg aattgctcat cgccgggtccc 240
 gggataacgc aggccgttat tgcagccgtc ggcgatttct atacttggaa gctagctcgg 300
 tatatttacg gggacagaag tcatgagtct tgggcgacgg tacggatccg gtcaaacgct 360
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 ttctgttcca ccagaactct gtccaactgt ctcgagacta cgatcacaat catcgctctg 480
 tatttgtggc cgtggggatg ggctataaac tcgcgggtccg tcaggcgtag aggtcaagat 540
 aagagtgtca gcatttttag gtatgtcttt agcatgataa agtgagcggc actgactcca 600
 cggagattac gtcaatgtct cttgctggcc gcgttcgctg gtatcctacg cccgaccaac 660
 ataataatct gggtaggcct agctagtgtg gctttatacc gaagtgcctg gggagagagg 720
 cagactcttg ctcgagaggc tctaactctgc gggtgagtgc gccccaagtc gtgtgtttca 780
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tacggattct

850

<210> 23452
<211> 774
<212> DNA
<213> Aspergillus nidulans

<400> 23452

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ttgcacttta cttcgcatct agggcgaaga tagtcgagtt gcatgatgct gttatgggta 300
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ccctagtcaa cgcgctaaag gagggttgaa ttgcaggtgc ggcgaccgat gtctttgatg 720
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<210> 23453
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23453

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cgagatagag cgcaaacggc tcaccgccga agtcgagaca tcgaccatca tatcggtagt 180
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cagggattgc ggatacacct gccacagcaa atgtgaaatg aaggttccag ccgagtgtcc 360
 gggagaacag actaaggaag agaagaagag gctgaaagcg gaacgtcaag aacaagccag 420
 cgccgcacca gctgttgacc ttgcacctac cagcgcctca tcaacagctc catcgttatc 480
 acgacgggac acgagagttc 500

<210> 23454
 <211> 674
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 23454

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<210> 23455
 <211> 827
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23455

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cgatgacttc tatgacccta ctgcgcgcaa gcacaacgcg ctcttggcgc gctatgggtg 180
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<210> 23456
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23456

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<210> 23457
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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 catttacagt gatttgaagt atgtcagtaa ccacatcctg atgaacacct gggagttctc 120
 gaaactggtc accttcaacc aggtccgtgg ggcttcgga ttcaatgaga gcacgaacat 180
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<210> 23458
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23458

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cattgagacc gactttccccg atttatggag caaagttgcc gtgcgacccc ataccgtcgg 180
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gcaaaccaaa 850

<210> 23459
<211> 500
<212> DNA
<213> *Aspergillus nidulans*
<400> 23459

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gtttctcccc gtacggcacc atcgaagaag ctgtacgtct tttaccgac cttgcccgtt 180
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gacaccaacc gcagccgcgg cttcggcttc gtgcgttttg ccagtgagcc cgaagcagac 300
gcagccatgg gcgcatgaa caaccaggag tacgtgccta accatactgc ctcttctcaa 360
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500

<210> 23460
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23460

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<210> 23461
<211> 794
<212> DNA
<213> Aspergillus nidulans

<400> 23461

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 tctgcagtat tggcgtgcta ccggaatag agtcgattcg acttcttgca gctagctctc 720
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<210> 23462
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

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 aaggctggac tccattatit tgggcggcgt tcaagggtaa tgaccagatc attagtcttt 360
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<210> 23463
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23463

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<210> 23464

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23464

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gagacctacc tccgcatcta tacctgctat gactagaggg actggaacag gttactccta 180
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<210> 23465
<211> 749
<212> DNA
<213> *Aspergillus nidulans*

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gagcctgtcg ttagcccgcc atctgctgag gacgatcagg catctgatgt tgcttctgta 660
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<210> 23466
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 23466

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<210> 23467

<211> 777

<212> DNA

<213> Aspergillus nidulans

<400> 23467

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<210> 23468
 <211> 849
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23468
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<210> 23469

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23469

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<210> 23470
 <211> 740
 <212> DNA
 <213> Aspergillus nidulans

<400> 23470

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<210> 23471
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

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<210> 23472
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23472
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<210> 23473
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<212> DNA
<213> *Aspergillus nidulans*
<400> 23473

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caaactcgtc aag 793

<210> 23474
<211> 779
<212> DNA

<213> Aspergillus nidulans

<400> 23474

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<210> 23475

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 23475

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<210> 23476
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23476

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<210> 23477
<211> 850
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 23477

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<210> 23482
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 <400> 23482

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<400> 23483

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<210> 23484

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23484

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<210> 23485
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 <213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23486

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23487

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<210> 23488
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23488

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<210> 23489
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23489

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 <212> DNA
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<400> 23492

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<400> 23493

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 gatggcgata cgggtactat atcagtgcc tcatcagtgt tctgctctgt gttctagcgt 600
 tttggagtct tccggatgaa gtgcccaagg gcgagccctg gatgagaggt ttaaagggaa 660
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<210> 23494
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23494

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 cgaactggga acggtgcatg aaccgcatc cgccaaggt tggcgggct aaggtgtcgg 240
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 taagttacat tacttcacc 319

<210> 23495
 <211> 410
 <212> DNA
 <213> Aspergillus nidulans

<400> 23495
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 attgaaagca gaagcgtccg aaaacaatag agagctttct atccttctaa ccctgtcaga 180
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 gggaatgaca atctgtggga atacgcacga agcaggctat attcgagcca tttcccgtca 360
 aattctcttg ggcctcaact ttcttcatca gttggacatc gtccattgtg 410

<210> 23496
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23496
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 gcgcttcagt caccctatag tcgagtacct caagcctgat gcgcctgcca cttcaatcaa 180
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 gaatcctgga gatgcactgc tcattactga cagtaccatc cactgtgggg gtgctgagac 360
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<210> 23497
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23497

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aggttttggtt cccaggcgga catgcagata tcggcggagg ctggacactc ggcaaaggcg 180
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cgaaactgcg 850

<210> 23498
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23498

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tggactgtat cttcccaatg cggatatcga tcttgtcctc ctctccacta gtttcaggcg 180
 caccggcgtc aagacgtttg gcgagagaaa gggtcagatc tatgcatttt ctgccttcct 240
 caaaaatcag aatattcgcg ttcccggctc cgttgaaaca attgcacatg ctcggttcc 300
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 cagcgggctc atagcaaaca ggacgtttca gcaatggaaa tcagagtacc ctgcgatgcc 420
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 tttatgggggt ctacaaagct aacaatgggg ccccgctctt ctattgagaa cggaacaat 780
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<210> 23499
 <211> 708
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23499
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 ttatagacta catcaataaa caggcaaaga gaggcttatt ctgctctaata gagatggtca 180
 agaattattgc cgaagagatt gctggaaaaa ggcagggaaa aactgggttt cgcgctggcg 240
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 gaaggctgat tctgccttca agtactcgt atatttcaat gcattaaagg agaagatgga 360
 ggaatatgat gtccagccag aggatatcac aacatagata agaaagggtt ccttattggg 420
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 cagcgcctta aggatagaaa tcgtgaatgg ataactacta ttgcttttat ttgcgctgat 540
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<210> 23500
<211> 722
<212> DNA
<213> Aspergillus nidulans

<400> 23500

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ctcctccacc atcaagacta ttcaaagcaa ttatgggtta cgttctcgga ggattcggca 180
gtatccttct tggagggtgg gtgctggtct ttgtcgctg aaagcctctt ggaaagcctc 240
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<210> 23501
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23501

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<210> 23502
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23502

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 ctcaacctac ggtacctatt ttatcggcag tctcctctac tgcgatccgt ggcactctgat 180
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 atcgttccca tccgcgcaaa caaagaaagc tcccgggtgg ggagatgggtg acgcaaaggg 360
 gaccttcgtc gaagagctcg acaagccgca agctgacatc gataccgagt tcgaattcac 420
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atcaacgggtc eggacggcgt ggtactttaa gtgtctgtctc tgggcaacgt caggactgtc 780
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tgtgagaaga 850

<210> 23503
<211> 614
<212> DNA
<213> Aspergillus nidulans

<400> 23503
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tgaagctgaa gagctgcagg cgcagataat ggcaactcga aaagaagtgc taggatcaga 180
gcaccctgac actttaacta gcatgtccaa ccttgcatcc atatatcaga accaggggtcg 240
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<210> 23504
<211> 460
<212> DNA
<213> Aspergillus nidulans

<400> 23504
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atggagctgt tcaccaagca cagcaaggaa ggaacaagat cctcacgtgc acagctacag 120
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gacgagctga gatcggagaa ggagcaactg ccgttgetca tgagcctcgc cccgaacggc 240
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ttccggcatt ggccatcgct gggaggcagc ataatctgcg atggttgtaa cgctgagggt 360
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 aaagccggtg cgcgctgcgg gtataaggga catacgtacc 460

<210> 23505
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23505

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 caaagcgtgg ttccacccca atccagactg tcgggcagaa atgggtatatt aattatactc 420
 aacgccaccc gagcttgagt ctcgcttgga aggcaatcca actgccacga gccaagcaga 480
 gacccaaggt atttatgctg 500

<210> 23506
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23506

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<210> 23507
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23507
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<210> 23508
<211> 655
<212> DNA
<213> Aspergillus nidulans

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agcgcagcca ctactacaa actcgtcgag ggcgagaatg gcgaggaaga aaagctcatg 120

ctaaaagata aagaggtcgt ctcagacccc caacagcagt accagattgc gcagcaggtg 180
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<210> 23509
 <211> 319
 <212> DNA
 <213> *Aspergillus nidulans*

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 agggcaaaat ctccattatt attgccagg atcgtgcac acgtggctta gaccttcagt 180
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 agggtagatg gttcacaaa 319

<210> 23510
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23510
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 gccatcgagg tcgccgagg catcatgcac atcgtcttcc tgccagtaac catcgccgta 120
 tttgtcattc tggcccctcg caaccgaat gagttcgtct ggaatacgtt tgtcagtctt 180
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 aagctaacag atcctgtcca ggcgtcgatg gcgtaattca catggctgaa gaagtcaaga 360
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<210> 23511
 <211> 639
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23511

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 aatatggcat tgtagttgat gatatctaca attttgatga aacaggattt gccatggggg 540
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 agccaggcaa tcaagaccat tacgcagggc tggagctcg 639

<210> 23512
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23512

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<210> 23513
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23513

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<210> 23514
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23514

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<210> 23515
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23515

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<210> 23516
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23516

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<210> 23517
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23517

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<210> 23518
<211> 843
<212> DNA
<213> Aspergillus nidulans

<400> 23518

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<210> 23519
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23520
 <211> 755

<212> DNA
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<210> 23521
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23521

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<210> 23522
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<212> DNA
<213> *Aspergillus nidulans*

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<210> 23523
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23523

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 <213> Aspergillus nidulans

<400> 23524

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23525

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<210> 23526
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23526

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<210> 23527
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<210> 23528
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23529
 <211> 842
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23529

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 <212> DNA
 <213> Aspergillus nidulans

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<210> 23531
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<212> DNA
 <213> Aspergillus nidulans
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<210> 23533
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 <213> Aspergillus nidulans

<400> 23533

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<210> 23534

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23534

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850

<210> 23535
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<212> DNA
<213> Aspergillus nidulans

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<210> 23536
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23536

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<210> 23537
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 <213> *Aspergillus nidulans*

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<210> 23538
 <211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 23538

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<210> 23539
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 23539

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 <212> DNA
 <213> Aspergillus nidulans

<400> 23541

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<210> 23542
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 <212> DNA
 <213> Aspergillus nidulans

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<400> 23543

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<213> *Aspergillus nidulans*

<400> 23544

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850

<210> 23546
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<212> DNA
<213> *Aspergillus nidulans*

<400> 23546

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<213> *Aspergillus nidulans*

<400> 23547

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 gccatgttcg agctgttatc cgtcaggaca tcatgtaccc gggcaaagat gaggat 476

<210> 23548
 <211> 584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23548
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 cggcagcgca acgcgcgcca acctcctctc ctttgggcta tattatctcg ccaccaaccc 120
 agacgtcgtc acaaaagctc gcgaggaact cgacgccgtt gttgggtccg gcccttcga 180
 gcacgcccac ctgtctcaaa tcccctacac cgagggcatc cttcgcgaat cattgcgact 240
 cagcgccaca gcaccaggct tcaacatcga gccgatcccg tcgccgggca atgagcccgt 300
 ccttctcgcc ggccggcgaat accaagtccc gcgtacgcaa cctctcatcg cgctgctgac 360
 cgccgtcaac cgggaccgag aggtcttcga agaccccgaa tccttcaaac ccgagcgcat 420
 ggtcgggtgag aaatacgatg ctcttccgtc aggcgtgaaa aaaggcttcg gaaatggcaa 480
 gcggcagtgt ttcgggacac ggtatgcgtg aggaaaggag tcttttggtg ctggcgcggt 540
 tattaaagaa gtgattttag cttcagatag aagtataagg gacc 584

<210> 23549
 <211> 337
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23549
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 gatgcagcag accccaggct cttggatgtg ctgcagcggg ttgtaggcag gttcgagcag 180
 cagcccgtgc tgtcgtccat gtttacgcag cttgcgcagc gatgtcgcga ttcgttgctg 240

cacggaccga gatacctagc gcggcctgat cagcagggcc cgcgcacaac gatcagcgca 300
gaaggcgata tcacctacac cgagcaggaa cgggctg 337

<210> 23550
<211> 499
<212> DNA
<213> Aspergillus nidulans

<400> 23550

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ctccaatggt gctgcggcat tagatcagtg gagatgcact cacagagcgg agcaagatgc 180
cttctggggc gagcagcaac ccaaattgtc cgaagggaag gaagagtttc tattcccggt 240
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ctattacaca tctctcaaag gcgcagccgg agcgtgcggc gtaaccttaa ccgcattctc 360
tacgctgcgt gggcgctgtg tctggggctg tacgcaaaca ccgataatgt tattatcggc 420
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cagcacactt ccattccaa 499

<210> 23551
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23551

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ccgccctgct cttcctcttt cgacgactcg agagccagat agccatatca aataccgccg 180
gttcggggtc acctccatag ctttaggcgg cgatggctca cgattatatt cgctttgccg 240
ggacgggacg gtgtacgcct attccacttc tcatctagtc cttggccacg cccccgaact 300
ttcgttgac aatgaccgtc cacggcgctc gggcggtct gataaagac gcctcggacc 360
tctgtatggc tttcgtcacc cgcgtcttcg ggtttcctca ttctatgtca agatcgggtg 420
ccgcaaggct tctggggaca aaccagagat gttggcagtt ggcagcggcg agccttgtgc 480

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 ccgtaccaat tcaaacattg ggTtatcaca acgcctggag gacacgatcc caatttatca 660
 tactggcaca cTtTtgatCg aaggccacaa gaaagaagTc tctggTgtga cgtggacagt 720
 tgatggcgag ctCgtcactg tgagtgatga ctacagcgct agatgctggc gtgagggTcc 780
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 ggctgataCg 850

<210> 23552
 <211> 751
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23552
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 gcgaggttga taacgcaacg tttggcagaa ttacttcgta tgttgagcag gaggatgcac 180
 taatagggag tttaaactgtg cgagagacgt tgaagttTg agcggattta tcgttaccg 240
 ggtatgtgat ttccgttaca acttagaact gactaatgat tctctcaatg tttaggTtCg 300
 taagcaggtc agagcgtgtt gagaggatac acaccTtCt cgaatctTtC ggtatccaga 360
 accaggcctc tacgcttTgC gggacaccga ttaggaagg catcagcggc ggacagaaga 420
 ggcgagtcag tgttgccagt cagctcatca cctgtcccaa aatactgtTt ctCgacgagc 480
 ccacgagcgg acttgactca actgcgagct atgaagttat ttcgtatgtt aggaagctgg 540
 cgcggggctaa taaggTtggT taaatgctTt tgctggccag tgcaatacta acttgCgaag 600
 ctcatcatca tagctagcat ccacgacca tcgacggcga cattccaact gtttgataag 660
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 tactttggaa gtattggata tcccatccct c 751

<210> 23553
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23553

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ttgtgccaga atatccgaac tgggggtgaac ctatgacact gacaaagatt tttcagagat 180
tatgatcagg tccgcgcgga tgtggaaagc tcgaagcacc ttgcacagta taaggcgacg 240
aaagaccctg aagaccttcc cggcctaggg aaacattatt gcgtcgaatg cgccaaatgg 300
ttcgagagcg actacaattt ggtcgctcat aggaagggca aaaaccacaa gagaaggctg 360
gttggtccggc gcaatctcaa acatcgaaac cccatctaac ttcttctgat cgcagacttc 420
gtctactacg tgaagaacct cattcacaga agatcgctga ggctgctgta ggctgacga 480
cagacaatgg cccgcgcggg 500

<210> 23554

<211> 539

<212> DNA

<213> *Aspergillus nidulans*

<400> 23554

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ttgaccgcaa acaagaagtt cccacgaag gcgccatgtg tgacctcttc tgggtccgacc 120
cagacgagat tgatggctgg ggccttagtc cccgcggcgc aggccttctc ttcggcgccg 180
acatcgtcaa gcagttcaac tacaagaacg acctgtctct cattgcgcgc gctcaccagc 240
tcgtcatgga ggggtagaag gagatgttcg atgctgggat cgtcactgtt tgggtacgcac 300
tgaactagtg ctatggttgc ggggaatgctg atgctatcct ggaattaggc gaagatacga 360
gcagcgggtg cacagtcaca aggagcaatg gcgaccaagg tcggagtaat ggcattctgt 420
ccagtgggtg cgataagcag gccctgcgta gccctggacg aagatatagg gtctttgaag 480
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<210> 23555

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23555

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 aactcggcta cccggatata ttgctcaagc gcacgccttc accgccgtct ggaacgacga 120
 gcatgatcgc atcaagggcg ggctggcgga tctgtcggat ctcaatgcgc tttacgacgg 180
 gttcctggat gcgtatgatg gcctaatacat cgaggtcgcg aggcggcggc acgtccggca 240
 ccgcgtcgag aagatcctcc gtgatgcaag gaataaatta gatgccctgt atgaagagga 300
 tgtaaatgcc cgcgaaacgt ttcgggtcga acagggcgac tatctaccct ctgacatttg 360
 gccggggttg agtcgggagc cgatgcgtgt tgagtttcat cgtatttccg gtgggcccgtt 420
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 actgggccat caagaccac 500

<210> 23556
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23556
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 aagagctgag tgcagcacac aagccctcaa agacggatgc gagtcgagta aaagtccttg 120
 aagaacaaat tgttggcctc gaagagcaaa ttgaggatct ccgctcacag aaaggtggga 180
 tcgaggaaga aatccaggcg cttcagaaca agattatgga ggtcgggtggg gttagattac 240
 ggagccagaa agccaaggtc gacggactca aagagcagat tagtcttctc tctgaagaaa 300
 tctccaacgc cgaggttgcg agatctaaga acgagaagct tatcaaaaag cacgaaaatg 360
 cccgtgcgga agcggagaag gaacttgcca atgtcgcgtga ggagcttcag aagttgaacg 420
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 aagacgtgag tacggccaaa ccagctgcgg gatggaagct aacaactgct aggccttgga 540
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 aatgaaact cgggccacgg agattgagat gcgcaacaag ctcgaggaga accagaaagc 660
 tttagcggag aacgaaaagc gtagccgtta ctggcaggag aagctgagca agctgacttt 720
 gcagaatatc agcgatttgg gtgaagacca acagcctagc gaattccaga ccttcaccaa 780
 ggatgagtta gctgagatga acaaggactc tttgaaagca acaatggttg ttttgaaaaa 840

aaaacccaaa

850

<210> 23557
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23557

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gattgtcagc atcactgtat ttccgacaaa cggaatctt ttcggcggtg acggcgctcaa 180
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ctacctcaac gtcagcaact ccggagctac cgtctttggt tggttttcta gcctcacctc 480
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tgtttgcccg cttggtgagc caagctctgc caaaccttc ttcgccaatt acgtttccat 720
cgtggcaatc gtggtgctat atatcgcggc caaaatctac tatcgggggc cgctctgggt 780
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attgaaaagg 850

<210> 23558
<211> 484
<212> DNA
<213> Aspergillus nidulans

<400> 23558

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catccctata tatcatggtg gttaggagtt cttctagata caaagcttac ttttaaagcc 120
cacattaatt tgggtctttag ccgcgggaaa cgactcgccc agcacctaaa gagacttagc 180

aatacccagc atggctgcct agtagcctcc atgcaggcag cagttatata gtgtgttctt 240
ctaacagctc tgtacagggc agaagtcttc tatacaggca aacaacaaaa aggggtagtt 300
aactccctgc tttctctctt ccgcacagca gccctggcta ttatcccagc ctacaagacc 360
accctactg cagcactcct ccgcgaagca gacctaccag acccagaagc tctactcaac 420
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taaa 484

<210> 23559
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23559
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accagattc tcgactcctt catcaacggc tcgtggcgtg ggagcccagg gcgcgagctg 120
cctaagcacg tgttgcgaaa tgcaaagggt tttcccacg caatataact acgcttgtgt 180
ttgttttcga ttaacgcgtt gctcttatga aaggccctcg caattttaac cgtcacaaaa 240
gcgggctttc ttggctccct ccgctttggc tcaggcatcc tcatcgcgcg tcttctgaa 300
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accttcggtc ttggcttcgg cggacaagta ggcttcgaac tcaccgattt cgtcttcgta 420
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aacctcagta tcgccttttg cccgcttggc aggaacgcgg aaattgccgg acgctcagca 540
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aggttacggc aggtgtgatt ttggagggcg atgttgatgt gccgggaggg gagcggcagg 720
ctgtggagga gctgatgagc gttttgggag agctttttgc cgcggatgcc aacatcaacg 780
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ttgacccttc 850

<210> 23560
<211> 500

<212> DNA
 <213> Aspergillus nidulans
 <400> 23560

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 gccagcctca gcggccaggg cgcccatgg acatggccga atatgccagc ggcaagattc 120
 ctttcgcaga accttcaaac gctgggtccgt cacaatcaca ccgtactccg ggacccagtt 180
 ctagcaaagc ctcgaagccg tcgcccatt acccagacgg cgagaagatc caacttccgg 240
 agcttgcgac tgatagtga gaccaggatt cagaggctga aatgctccct gtgccagct 300
 gggcgacccc gaagcagctc gaatcgctcc ttcgggatca ggagggcatg gaggttgact 360
 ctatcttcgg accgatagcg ccgttctcgc tggaggaaac attcaaggcg gataagagaa 420
 tcaagaagtt ccgcgagcgg acaagcagcg caaactgggc aggaccggat ggactgacac 480
 aagaggaaat ccggagggat 500

<210> 23561
 <211> 629
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23561

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 aatcagtcta agcgacttgg caattacata ccagcggcag ggacgatgga aggaagcaga 180
 agagctaaat gtgcaggtct ttgagctccg caagaagttt cttggctcag agcatcctga 240
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 ctagaagcag aagagctgca agtgcggtc cttaagatgc gtaagcaggt gctttgtccg 480
 cagcatcctg acactctgca aagcatgaac aacctagcgc atacctggca ctccgaaaga 540
 aaagtccacg atgccctagc tttgatggaa cgttgcgtag aacttcgaat ccgagtgtctg 600
 ggctattctc atcccgcttc cgaatcctc 629

<210> 23562
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23562

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 ggagcggtaa cagccgcaag attgagattt cagaagcatt tcgtcagccg ctgggtacta 180
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 caccgcta at cacttacgcg gaaatgtctc tgccccttcc ggctccatca tcgctatggg 420
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 catcggccaa tgcccgatt 500

<210> 23563
 <211> 757
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23563

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 cacttggttg acaatggtgc ccgcgtctt gatgccgcca tccatgcggt ctgcgtcatg 180
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<210> 23564
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23564

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 aaggggacac cgagtgcacc gcagtgtggg ttcagtcgac agttgggttg taccctgcgt 240
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 ggtgggctag atattgtatg taccctcttc ttcttacgtc ccgtattggg tcatgctaac 420
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<210> 23565
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23565

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 ctgccctgac agtcgcttca atttacattc cgatgggtct ttcattatca aacatcgccc 180
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 ccatagttgt gggggtagct actgcgctgg cagggcttat gatcttagtc gctggaatat 420
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ccatcggtt cgttattttc gtggatcagt tcatacctga gcttggtttg gcggctgaag 540
ccaaggtgc tgggtgttaca catggcagca ccgtggacaa gctgctattc ataatacagaa 600
atattactca ctacatagc ttgacggcgg ccgttgcatc cagcagtttc gccataatca 660
tg 662

<210> 23566
<211> 677
<212> DNA
<213> *Aspergillus nidulans*

<400> 23566

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cgctgcgacg agcgcgcgaa gctcgacaat ccgccaactc atctgctgca ggcaccccaa 180
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caccagagga ggagcaggac ttggtgcgat attactgcga gcagattatc cagttagggg 300
agagctacaa acccccattg ccgacgatag ttagagtatg agtcttcgca aaaccccggt 360
tctcataact ttggaatata gtccctttgc taatgcgttc atgctaacca ggccactgca 420
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atcatgccat gcgccctctt catcgccacc aagacggaca actactacat gtccctgcgc 540
catttcgccg acggcttccc ggcgacacaa cagcagaaga tatcatcgcg ccagagttcc 600
tcgttatgca gagtctccgc ttcaccttcg acgtccggca ccctttccgc ggcttagagg 660
gtggcatcat ggaactc 677

<210> 23567
<211> 753
<212> DNA
<213> *Aspergillus nidulans*

<400> 23567

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 <213> *Aspergillus nidulans*
 <400> 23569

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<210> 23571
<211> 458
<212> DNA
<213> Aspergillus nidulans

<400> 23571

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<210> 23572
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<212> DNA
<213> Aspergillus nidulans

<400> 23572

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23573

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<210> 23574
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23574

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<210> 23575
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23575

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<210> 23576
 <211> 704
 <212> DNA
 <213> Aspergillus nidulans

<400> 23576

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<210> 23577
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23577

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<211> 500
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<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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<210> 23580
<211> 850
<212> DNA
<213> Aspergillus nidulans

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<210> 23581
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23581

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 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

<400> 23583

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<210> 23584
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23584

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<212> DNA
<213> Aspergillus nidulans

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<210> 23586
<211> 850
<212> DNA
<213> Aspergillus nidulans

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<210> 23587
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 23587

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<210> 23588
<211> 473
<212> DNA
<213> Aspergillus nidulans

<400> 23588

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<210> 23589

<211> 595

<212> DNA

<213> *Aspergillus nidulans*

<400> 23589

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<210> 23590

<211> 535

<212> DNA

<213> *Aspergillus nidulans*

<400> 23590

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cagcagtcgc gtttctagtg aaagcactga cggaagctat ccctcacggg atcagagaag 360
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<210> 23591
<211> 831
<212> DNA
<213> Aspergillus nidulans
<400> 23591

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<210> 23592
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23592

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<210> 23593
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23593

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<210> 23594
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23594

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<210> 23595
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23595

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<210> 23596

<211> 808

<212> DNA

<213> *Aspergillus nidulans*

<400> 23596

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<210> 23597
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23598
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23598
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<210> 23599
<211> 579
<212> DNA
<213> Aspergillus nidulans

<400> 23599
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<210> 23600
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23600

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<210> 23601
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23601

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<210> 23602
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<212> DNA
<213> Aspergillus nidulans

<400> 23602

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<210> 23603
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<212> DNA
<213> Aspergillus nidulans

<400> 23603

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<210> 23604
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23604

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<210> 23605
<211> 785
<212> DNA
<213> Aspergillus nidulans

<400> 23605

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 gacaccctc cactgccatt ggaggcccca gcggcaatga catcggtaac gtcgtcgaca 720
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<210> 23606
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23606

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 aatcacccat ggaaatgcgc cacagagatg gcctacggca tacttgggtt tcgtcaagat 360
 gacgtccct tttgtcttta ttacggccaa ttccgttcgg acttctctgc aaaccgctgg 420
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ccagattacg ggcgccgcaa aggataagaa tcagaacatg cggatcttct ccgcgggttg 660
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<210> 23607
<211> 767
<212> DNA
<213> Aspergillus nidulans

<400> 23607

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catctgattg cgatttcgga cctgggggtg ctgcttgta cgacggcaaa ttggtacctt 720
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<210> 23608
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23608

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 tctaccgaag aaacgagagt acatcctcta tgcaccgttg actctcgagc agaaggactt 780
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<210> 23609
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23609

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 acaacacggg cgtgctgcac aaccggcacg CTCgcttcta tattgccgag atgttttgct 780
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<210> 23610
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23610

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 aacgcacttg atctaaccga tcgatccctg cctcaactga aggcaaagaa cttgaagccc 180
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 attctgcacc cattgactgc aactgagttt aaagatgttc ttggtagctt ggagacttta 840
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<210> 23611
 <211> 458

<212> DNA
 <213> Aspergillus nidulans

<400> 23611

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 tgctaggcag ggagcttttac taactcctaa tccaggattg gcaccttctc cggtcataaa 180
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 gacttttctg cgtgagtcgc actatgtggc tatatccata ttgcaatcgc ctaacttctc 300
 ccgctcaact gcagtaaagt ctgggacact cacacggggc aatgccttca caccctccaa 360
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<210> 23612
 <211> 574
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 23612

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 ctgttgccct ataccttcta gatcaggact attgctgatt atattattca ggactacttg 180
 cgatatcgta cacaatcaac ctagtcacca caatgtcttt gtcggctatt gcaacaaatg 240
 gcacgggtcaa aggaggagga gcatactatc tgatctcgcg ctcgttagga ccagagtttg 300
 gtggctctat cggcatagta ttctatctgg gctcagttct gaatacagga atgaatgctg 360
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 tcctccggga ggggttttgg tggcagtatt tatggngaac cattattttg cttgggttga 480
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<210> 23613
 <211> 500
 <212> DNA

<213> Aspergillus nidulans

<400> 23613

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tggctctagc tctgatggct agagctctca gtcaattgcc tttgaccgac tgtcctggat 180
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<210> 23614

<211> 595

<212> DNA

<213> Aspergillus nidulans

<400> 23614

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gccgaactga ccaggctata tcgaataggg catgcgtact ctagagaaac taggcgtcca 180
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atgcagatgg gaacggcgtg gtattgcact ttgaagatgg aactactgtg cacggagaca 540
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<210> 23615

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 23615

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acccgaaact ggatccggcg gctggaattg aggtgaaaac caaatttcct gtggcgcgca 180
tcaagcgcat tatgcaggcg gatgaggatg taggcaaggt tgcgcaagt acacctattg 240
ctgtctgtac gtatcagccc gttcaaccct gtaatctggg agatcatgct aacatgttga 300
atacagccaa agcacttgaa cttttcatga tttcactggg tacgaaagcc gctaaagaag 360
ccaagatcg gaactcgaaa cgtgtaaccg cgtcgcatct taagcaagcc gttgcaagg 420
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gcaagcatga agatgacggc 500

<210> 23616

<211> 608

<212> DNA

<213> Aspergillus nidulans

<400> 23616

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cgctctctgc gcgcgagaaa cgggagttcg ggggtgtacag actgccgaag gaggagtgc 180
agtatgagat cttccaaggg ttgaatcgaa tgtgggtgca gtatatgttg gaggtactgg 240
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gtcggtggtc ggggaggggt gggttgaaag ggattgtggt tagggatata aaatttacgt 480
ttgtgatcgt tacgcagaag gatgagggtta agagttagta cctcgccgtc atttacagg 540
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gtttttgt 608

<210> 23617

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23617

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<210> 23618
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23618

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 aagaaggcga agactgcgac tgccggcggct cggaaggctg cggcgacaac aagtgtgcg 240
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gcacctcgtg ccaattctcc tctgcaaaca cegtctgccg cgccagcact ggcgatatcg 360
atattgagga aaaatgcacc ggcaactctt caacttgccc aacagatact taaaaagccg 420
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<210> 23619
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23619

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tacctagaac gagttgtatc agtgtctctt ggacggccat tcagtattgc agacaggcat 180
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<210> 23620
<211> 803
<212> DNA
<213> Aspergillus nidulans

<400> 23620

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<210> 23621
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23621

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<210> 23622
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23622

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<210> 23623
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 <212> DNA

<213> Aspergillus nidulans

<400> 23623

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<210> 23624

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 23624

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ggattttacg atcaatgcgc gtcagaaaaa gctgtatcag ctaaaagggg tggatctaca 420
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<210> 23625
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23625

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<210> 23626
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23626

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<210> 23627
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23628
 <211> 721
 <212> DNA
 <213> Aspergillus nidulans

<400> 23628

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cttcattatc gctcaccogt cagagtccaa cataacttgag taagtcaaac ccacaggcga   180
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caatcctcat cggcctactt tcctttatga ctagcgagga aatgactact gggagcgtga   480
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<210> 23629
 <211> 772
 <212> DNA
 <213> Aspergillus nidulans

<400> 23629

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gggtgggacga atgtcgagta tggggtcacc atcgatctct cgggtgctgaa taggacggtc   300
tacgatgaag agaagcgcat tgcgtcgatt gagccgggag ccaggtggaa ggacgtttat   360
  
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 cggctccggc aatttcggaa tagtaacggc cttcgacatg gagacgttcc cgcagccggc 720
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<210> 23630
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23631

<211> 424
 <212> DNA
 <213> Aspergillus nidulans

<400> 23631

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tgcccagcac ctaaaaagac ttaataatac ctagcatagc tgcccagtag cctctatata 360
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 <211> 510
 <212> DNA
 <213> Aspergillus nidulans

<400> 23632

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<210> 23633
 <211> 520
 <212> DNA
 <213> Aspergillus nidulans

<400> 23633

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<210> 23634

<211> 511

<212> DNA

<213> *Aspergillus nidulans*

<400> 23634

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accccgcata caatgcgata taccagggtg gcgtcttcat ctctcgtctt tctaccccggt 180

tcttccgtat tcacgatctc taccttccgt caatcctaca aatcatcaat ttaatagtgt 240

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tctgggaagg tctcctagga ggcttagttt atgtcaatac ctttgcagag attggagatc 360

gtgtgccacg agaggaccgc gagttcttgc ttagcgccac gacggtcagc gattcgggcy 420

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<210> 23635

<211> 385

<212> DNA

<213> *Aspergillus nidulans*

<400> 23635

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 aaatggaagc agacggttgt cgata 385

<210> 23636
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

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<210> 23637
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23637
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<210> 23638
 <211> 724
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23638

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 cctagagacg tgccagacgt gcagatactg gttcttgagg agttggaccg gtaagcacta 180
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<210> 23639
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23639

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<210> 23640
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23640

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ccataaacgc agccattgct agtaacgctc cttcacatct caatccgtca cccaaagact 180
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<210> 23641
 <211> 547
 <212> DNA
 <213> Aspergillus nidulans

<400> 23641.

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<210> 23642
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23642

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<210> 23643
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23643

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 cataagcgaa aaatcacaca tcgtgacatc aaaccggaca atatcctgat cgcatcccat 360
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 tttctcaaaa ctttttgcg gactctctc tactgcgctc cagagggtcta ccctgagtac 480
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agaaccagac tatcagatac tccgcgaagc tggcgtctcc gaggagggca ttgacttggg 780
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<212> DNA
<213> Aspergillus nidulans
<400> 23644

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ggatgagttg 850

<210> 23645
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23645

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ccagccctgt tgtgcgggcc aaacaaacac cccaagaaca gcgcgagggg agacagatta 180

acacagacct cctcgcgctc aaggaagtga tcagagcgag ggccctgggc caggcgcgca 240

tcccctaccg ttcttccccg ttgacaatgg ttctcagagg acactttgag tctagctcga 300

gctccggctc gaataccaac gaaggcagca gcagtcgaaa caatggcaac agtgaagggc 360

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<210> 23646

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23646

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atgagaaaga ggccccaaaa atgccttttt tagcggacat cttcagaggc gagttttgcc 780

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<210> 23647
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23647

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 aaaaagggtg ctctgctggg agcggctaaa gccgctaaga gctcgaattt gaaccggatt 780
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<210> 23648
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 23648

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<210> 23649
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23650
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23650

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 cccggtctaa catccccccc agcactgtgg ctgactcgcc aacctactcg ccgccagata 420
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<210> 23651
 <211> 586
 <212> DNA
 <213> Aspergillus nidulans

<400> 23651

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 gggagggtgtt tcagtacttg tcatctttgt ccaaagacgg ggaccagctc ggtgtcggaa 240
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23652

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attctcacia gaccagagac tagcagttca atgggtacac          caaattttgg 600
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 <211> 658
 <212> DNA
 <213> Aspergillus nidulans

<400> 23653

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cgcttcgacc acaggccaga tcagacgacg aagatgagca gcgtcgccgt cagcacaaaa 240
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aatgtatcct ccggccgcgc tggacatggt cgtcaacctt gtgggttcag atatctggtc 480
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gatcgggtctg ctactcogag ccgagtttgt cgtggggatg tggctgattg accagcaact 600
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<210> 23654
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23654

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<210> 23655
<211> 702
<212> DNA
<213> Aspergillus nidulans

<400> 23655

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<210> 23656
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23656

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<210> 23657
 <211> 768
 <212> DNA
 <213> Aspergillus nidulans

<400> 23657

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<210> 23658

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23658

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<210> 23659
<211> 711
<212> DNA
<213> *Aspergillus nidulans*

<400> 23659

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<210> 23660
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23660

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<210> 23661
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23661

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<210> 23662
 <211> 686
 <212> DNA
 <213> Aspergillus nidulans

<400> 23662

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<210> 23663
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23663

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<210> 23664
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23664
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 cgactgcgac tacggctgct acgggaagtt gttcgtcaat gatgagccag gctgggacgg 780
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<210> 23665
 <211> 658
 <212> DNA
 <213> Aspergillus nidulans

<400> 23665

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 gaataccag agtatcatgc tagctcccgt ctaccatgct aaactgtcta agattatcag 600
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<210> 23666
 <211> 532
 <212> DNA
 <213> Aspergillus nidulans

<400> 23666

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 tctggtaaag atttcccaag ggggttggca aggctagggt cccgcaacac ttgcagaccg 480

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<210> 23667
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23667

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<210> 23668
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23668

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<210> 23669
 <211> 639
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23669

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<210> 23670
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23670

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<210> 23671
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23671

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gaaggactct cagcgcagct tgccgggctg gaatttctgc acctttttta tactgaagga  240
  
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<210> 23672
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23672

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<210> 23673
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23673

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<210> 23674
 <211> 658
 <212> DNA
 <213> Aspergillus nidulans

<400> 23674

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<210> 23675
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23675

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<210> 23676
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23676

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<210> 23678
 <211> 768
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23678

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acaaggagta atcgacatac ctacgcatcg gctcactatt ctaatgcttt ctctattcct 720
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<210> 23679

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 23679

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 <212> DNA
 <213> Aspergillus nidulans

<400> 23680

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<210> 23681
 <211> 419
 <212> DNA
 <213> Aspergillus nidulans

<400> 23681

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<210> 23682
 <211> 517
 <212> DNA
 <213> Aspergillus nidulans

<400> 23682

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gttatattat ccaaaggact gggatgttat cgctgatagc gacaatgata gggaccgtca 180
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<210> 23683

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23683

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<210> 23684
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23684

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<210> 23685
<211> 585
<212> DNA
<213> Aspergillus nidulans

<400> 23685

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<210> 23686
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23686

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<210> 23687
 <211> 333
 <212> DNA
 <213> Aspergillus nidulans

<400> 23687

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<210> 23688
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23688

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<210> 23689
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<212> DNA
<213> Aspergillus nidulans

<400> 23689

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<212> DNA
<213> Aspergillus nidulans

<400> 23690

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 <213> Aspergillus nidulans
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<210> 23692
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<212> DNA
 <213> Aspergillus nidulans
 <400> 23692

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 <213> Aspergillus nidulans

<400> 23694

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 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23695

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<210> 23696
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23696

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<210> 23697
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<213> *Aspergillus nidulans*

<400> 23697

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<210> 23698
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23698

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<210> 23699
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23699

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<210> 23700
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23700
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 ggcgtgcctc tgtggagagc gcgcgacatg gccaaagctt gcacgcatcc ggaatcattg 780
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<210> 23701
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23701

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<210> 23702
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23702

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<210> 23703
<211> 499
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 23703

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cgcgcaagt ggggtgtgat cttccccctc tggccagtat gctgtcggta acttttctca 420
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<210> 23704
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23704

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<210> 23705

<211> 710

<212> DNA

<213> *Aspergillus nidulans*

<400> 23705

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tcgtcctgct cctcgtttac gtctctaca tcgtcttcca gctgaaatcg catgcttata 660
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<210> 23706

<211> 834
 <212> DNA
 <213> Aspergillus nidulans

<400> 23706

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aagccaaaat taaaagccaa tacaggcggc aattaagtcc aagcagacag aggctatata 240
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<210> 23707
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23707

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tggcgaggaa gaatttctga acggcgcccc ggtatatagc caggcatccg tatcgagggt 540
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<210> 23708
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23708

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<210> 23709
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23709

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<210> 23710
<211> 500
<212> DNA
<213> Aspergillus nidulans

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<210> 23711
<211> 641
<212> DNA
<213> Aspergillus nidulans

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<210> 23712
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23712

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<210> 23713
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<212> DNA
<213> *Aspergillus nidulans*

<400> 23713

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<210> 23714
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23714

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<210> 23715
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23715
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 ccatctttcc agcctgctcg aaacgtcaag aaggacatca tccttccggg cggatgggct 180
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 tacgttcggg ccattcggcg 500

<210> 23716
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23716
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 agaaaccgct acttggtgat cccctttggg agaaattccc gctttgtggg ccgccaggat 180

gagatccata agttggaaag tttaatcttc atgcctgatg gaccgagaaa gcttgccatt 240
 actggttttag gaggagttag caagactcaa gtagcccttg agctagcgta ccgtatgcgg 300
 gacagagagg ctgactgttc aatTTTTTtgg gtcccatgca ccagttatga ggTTgctgaa 360
 caggcccttt tgtccattgc tcaaagagta gagatccaag acacgcagcc agaaaagttg 420
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<210> 23717
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23717
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 cacactttca accatggatg acgagtccac ggaaatatTT actctcagcg actcgTTTTc 180
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 atctttgtca tcagcttact gaactcctca ataagtaagt caccgcagcc ttcccaatcg 420
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 gctatcttgt ctTCgtcttt 500

<210> 23718
 <211> 509
 <212> DNA
 <213> Aspergillus nidulans

<400> 23718
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 cccacgagaa ccgccgcgta ttgggtcggt ggaacagctg taaagctatg ccaagacctg 180
 gggctcacag aggaagcgac aataacccgg tcgcgcactg ggaagcagtt ggatccttta 240

gaagtggaca tgcggcggag gttatTTTTgg attgtgactt cgatggagtt cggTctctca 300
catagtttgg gacggccaag ctgttattct gtcagtcatt accatatcca cgtcaagttt 360
tttgcaaacg tggacgataa gtacattacc cgagaaggca tacatcccga tgccaaacca 420
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cgacggaccc ttacttgaa caaacggga 509

<210> 23719
<211> 716
<212> DNA
<213> Aspergillus nidulans
<400> 23719

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agcacaagtg taccgtagca cgggctaatt tgcacacaga ctctcagttt gctcgcgacg 180
ccttctccac ctttataccc attagcgtgg actcagacgc tcggacaaaa atcatcttcg 240
actttttcga tcttttgaca gctatcgtg cacatgggaa gtctaacggg ctgggagggc 300
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gactaccaag gtggtcatga tcgtcgatac agtctcccc actccctttg ccctactacg 660
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<210> 23720
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 23720

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ttgacaaata caggagggat gCGaaggaag ctggTcgtga aacatggTat ctttcttggg 180
 ctctggatct gaccaacgag gagcgtgcta aaggaaagac tgTtgaggTg ggcCGtgctc 240
 acttcaaggT tgacattcaa acacccgatg gtgtcgttga acgacgcttT tctatcctcg 300
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 cctggTacia cggTcccttc ccacttaga atctctcaca gatataaata tgccagagTg 720
 tcacttaaT gcacctttca tgatgcggat cggcgccaaa tccgttacct tggcactatt 780
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<210> 23721
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23721

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 ccatgttccg cgcgattggT gctgcttttg actctttcga tgcagcttcg taagtctcg 360
 gattttctat ctctgctctg gTcatgtaca ccgggtatat gattcagaag ccggaaatgc 420
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<210> 23722

<211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23722

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caaagccctg gttgagtctc acaccttttg cgccgcccag aatatcgatg acgtgattca 180
aggcaaaggg cgaggtctcg tcgccgtcct ccacggaccc ccaggcacag gaaaaaccct 240
tacagcagaa ggcattgccg agtcctcaa gcggccccta tacatggtga gcgcagggtga 300
gctaggcacc gactcaagaa cactagaagg ggagttgaac aagattctgg atatcgctca 360
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<210> 23723
 <211> 560
 <212> DNA
 <213> Aspergillus nidulans

<400> 23723

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cgctctgcaa tgaacccctc ccaagcttct cgctctccg gcgtaacaat gatcacctcc 180
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gaggctacga ggcgaatgcg 560
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<210> 23724

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23724

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<210> 23725
 <211> 712
 <212> DNA
 <213> Aspergillus nidulans

<400> 23725

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gcttatggta ctttgccttt ccatactatt gcagctttgt gagatagtgt actgaacatc 240
tcaggacgca ccatattcaa ccgccactca agctggggca ggacttcgtc ccagaagctt 300

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gcactgaagc cgtgggagac gctatcacct ttggcgctgg gcagcagttc tcgggggatct 360
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<210> 23726
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23726

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atcaacctca ccaccacatc aggtggatgt gtcagaaaat ctcatgtttg tccaaacgga 360
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<210> 23727
<211> 663
<212> DNA
<213> Aspergillus nidulans

<400> 23727

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<210> 23728
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23728

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<210> 23729
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23729

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<210> 23730
 <211> 730
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23730

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<210> 23731
<211> 555
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 23731

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<210> 23732
<211> 406
<212> DNA
<213> Aspergillus nidulans
<400> 23732

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gcagacggga agacgcctct tcctctcgcg gccgaacgag ggcgcgatc aattttccga 360
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<210> 23733
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<212> DNA
<213> Aspergillus nidulans

<400> 23733

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cgtgaccggc taaccactg accttattgc ttgcaggact cgatcttcga aaatatgacc 420
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<210> 23734
<211> 540
<212> DNA
<213> Aspergillus nidulans

<400> 23734

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gaccgtcaac atctactccc atcttatccc tgcgattctc ctttcatttt tcagcatccc 180
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tcagaatcat tccccgcacg ttgcacgcat tgcaaacc aaatggattata ttggcattgt 360
attcctgacg gttggaagtt ttgttccgag tatcttctat gggttttact gccaacctgt 420
tttaciaaac gtctatctaa ccatgggtatg tcttgattat tctttatata ttaactgctg 480

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<210> 23735
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23735

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ccttcttccc cactctctcc accctcccc ctatcctact tctccccctc ctccatcccc 180
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<210> 23736
<211> 668
<212> DNA
<213> Aspergillus nidulans

<400> 23736

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tctcgccatc cagataccgt ggggtgtcat catgttctgc ggtttagtaa ccttcatgcc 480
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ccgaatccgc cgggacctca attcgcttga gctgcggcag gagtttgccg agatgctggc 600
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<210> 23737
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23737

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<210> 23738
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23738

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 gggcgcgag accacggcaa aggcgatgag ctacattatg ttctacctgc ataacgagcc 180
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<210> 23739
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23739

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<210> 23740
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23740

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<210> 23741
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23741

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 aagatctgta tagccaaagg ccaggaatag atgactacct tccatacaag atacaggctc 180
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 acaaagtact tggactttat aatacaggca gggaaggga ttaaaataga cctagagaag 480
 gtaaaagcaa taaaggaata ggaaaccct actattataa aaggtgtcca aggattcctg 540
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tatatagtag tagagactga ctctcaggt tataatacag gaggagttct tgcttaatat 780
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tataactact 850

<210> 23742
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 23742

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<210> 23743
<211> 816
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 23743

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<212> DNA
<213> *Aspergillus nidulans*

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accaaacgtc agactggatg atggtggata catgggagcc gatgcacaag gagtaccagc  420

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<210> 23745
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23745

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<210> 23746
<211> 694
<212> DNA
<213> Aspergillus nidulans

<400> 23746

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agaagagaaa atcaacaaca cgggccacga agcagctgga agctcccgt taggtctccc 180
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<210> 23747
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23747
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<210> 23748
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23748

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<210> 23749
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23749

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<210> 23750
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23750

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<210> 23751
<211> 848
<212> DNA
<213> Aspergillus nidulans

<400> 23751

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<210> 23752
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23752

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<210> 23753
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23753
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gttcctttta 850

<210> 23754
<211> 593
<212> DNA
<213> Aspergillus nidulans

<400> 23754

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tcggagaagc cacaccctgg caatcgatac aataggaact tccagaacaa gttttgcggc 480
tgtggtgaag actacaacgc acatgaagag aagggtacaa tgtttcagtg ctttgggttg 540
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<210> 23755
<211> 521
<212> DNA
<213> Aspergillus nidulans

<400> 23755
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gtaccagaaa ttgaaagcag agatccgagg ccagttcaac acctacgagg agattacctg 180
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gatccccgcc ggtgtagggg ggttttccca gacaaacagg gcacatggcg ctgataatct 360
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<210> 23756
<211> 592
<212> DNA
<213> Aspergillus nidulans

<400> 23756

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 cgactgccgt tgctgaaatt tcaactcact caattactcg gaatggcgcg atgctcgctc 180
 ataattacca ttatacctcg aatcatgtgg gggtcgcgat agcctatctt agatggattg 240
 gtctcagctt gcttgttctt tttgaagtca ccgtgggatg gtccaccttg ggctatggga 300
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 tcggcttgca catctctttt acctgtatcc ggccagcacc ggcccgtggg aggtttgaga 480
 ttggctaccc cgtcattgtg agtctatttc gggaccgggg cttctgcttt tgtctgatcc 540
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<210> 23757
 <211> 838
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23757

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 caccgatgga cccgccggtg tgctcctgaa cctcatggac cgttcgcta tgcgtcccg 720
 tcacatccac ctcatgatca ctacccccga ctacgccacc gtcataacc agatttacc 780

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<210> 23758
<211> 836
<212> DNA
<213> Aspergillus nidulans

<400> 23758

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agtgtcgaaa gagttggaat catcagacga agagtctgat tcatgtccgg caggagatgt 480
tgactcagcg gtcaagtggc ctatcctcaa tgcagagccg gagttggtat tacagaagtt 540
acgtgaggtg gacccaataa tggcagatca ttggcatccg aaagacacgc gcaagattcg 600
tcgctcatta gaaatatttt ttcagacggg gaaaccggcg tcacaggtgt atgctgagca 660
gcggcagtcg aaacaagcca acgcaaaca tgataatgga tcagattggg ggcaactgcg 720
ctttgacact gcgatattct ggggtgcattc tgaaaaggct attttggaag agaggttggt 780
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<210> 23759
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23759

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gagattactt ctattaccct gcttacatgc aaaaataaca ctccaggtgt tagtcggtgg 180
cgccgatgcg aatttgtagc gcaggtgatg accagttagg gtttgctcgg ttttctcagc 240

tcggaaggcc gctgcaaagg cctctgagga gcaaacagac ggatacgcca ggggtgaagg 300
aactgggttt gtccttctta ggccccttga tgcagcactc tccgatggaa atgcattacg 360
cgccgttatac cggaccccg gcatcacgct ttctcagca gaggagcaag agcgattgat 420
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<210> 23760
<211> 677
<212> DNA
<213> *Aspergillus nidulans*

<400> 23760

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cccctgcgta tacagggttc aagatagcca aaagtcctcc taccggcgggt gacactctct 180
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<210> 23761
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23761

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cgatttcccc acgatcaatg tcttcggctt cgtctgctat gccgtctata cagggacatt   180
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<210> 23762
 <211> 742
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23762

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gctacaagtt tgaaaccata tctgttctcg acaagacatg ggatgaagca agcaggggaag   180
agattgaagg ccgggagaat cttgtggtga ataataatgc gcaatactgc tcagttgtgc   240

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<210> 23763
<211> 672
<212> DNA
<213> *Aspergillus nidulans*

<400> 23763
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<210> 23764
<211> 850
<212> DNA

<213> Aspergillus nidulans

<400> 23764

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<210> 23765

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 23765

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ggtgctgcag cagattccaa atgtttcccc gacgaatcga tatacgacga ttggcccgtt 420
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<210> 23766
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23766

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<210> 23767
 <211> 669
 <212> DNA
 <213> Aspergillus nidulans

<400> 23767

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 aatattacg 669

<210> 23768
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23768

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 aatctggaag gggttactgcc gctaccatc ctctcagcag cataagaacg aagaatggac 720

gattgacgag ctgacaagtg ttttgtgctt tgatgacaat gatcagacca tccagttctg 780
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<210> 23769
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23769

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 <212> DNA
 <213> Aspergillus nidulans

<400> 23770

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<210> 23771
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23771

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<210> 23772
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23772

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<210> 23773
 <211> 549
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23773

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gcgagacccc 549

<210> 23774
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 23774

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<210> 23775
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 23775

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<210> 23776
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

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<210> 23777

<211> 569
 <212> DNA
 <213> Aspergillus nidulans

<400> 23777

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<210> 23778
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23778

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<210> 23779

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23779

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<210> 23780
 <211> 354
 <212> DNA
 <213> Aspergillus nidulans

<400> 23780

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cattgtgaac acgctctacg tgggtgcggc gggtcggagc tcgtgggtga ttttcatcga 240
cctcgctatt ctgagcctgg gcttcctgtt gttagctgtg gcgtatatga ccggcgacca 300

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<210> 23781
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23781

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<210> 23782
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23782

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<210> 23783
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23783

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<210> 23784
 <211> 340
 <212> DNA

<213> Aspergillus nidulans

<400> 23784

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<210> 23785

<211> 367

<212> DNA

<213> Aspergillus nidulans

<400> 23785

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<210> 23786

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 23786

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<210> 23787
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23787

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<210> 23788

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23788

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<210> 23789
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 <213> Aspergillus nidulans

<400> 23789

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<210> 23790
 <211> 850
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 <213> Aspergillus nidulans

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<210> 23791

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23791

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<210> 23792
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 <213> Aspergillus nidulans

<400> 23792

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<213> *Aspergillus nidulans*

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<210> 23794
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<213> *Aspergillus nidulans*
<400> 23794

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<210> 23795
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 <400> 23795

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<210> 23796
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<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 23796

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 <212> DNA
 <213> Aspergillus nidulans

<400> 23797

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<400> 23798

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<400> 23799

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<212> DNA
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<400> 23800

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<212> DNA
<213> Aspergillus nidulans

<400> 23802

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<212> DNA
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<400> 23803

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<210> 23804
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23804

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<210> 23805
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23805

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<210> 23806
 <211> 750
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23806

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<210> 23807
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23807

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<210> 23808
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23808

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<210> 23809
 <211> 677
 <212> DNA
 <213> Aspergillus nidulans

<400> 23809

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 ccgcgccgtc cttattagtg agcagcatca atccttcata gacggggagg gagagcttaa 180
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 tccagagtca aacgctttat ttccaccctt tgagatctgc ccagacgtag acatctacat 300

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<210> 23810
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 <212> DNA
 <213> *Aspergillus nidulans*

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 agagattatt gacttcaact cacacaccct tgagacgaag aattttaaag cagatgccga 420
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 tgttagctaa tagaaattcc agaacgatgt ttcattaccc ctacagatgc acgccaaggc 660
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<210> 23811
 <211> 682
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23811

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ctctccgtcc tccaagacga ac 682

<210> 23812

<211> 837

<212> DNA

<213> *Aspergillus nidulans*

<400> 23812

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<210> 23813
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23813

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<210> 23814
 <211> 786
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23814

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<210> 23815
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 23815

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<210> 23816
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23816

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<210> 23817
 <211> 557
 <212> DNA
 <213> Aspergillus nidulans

<400> 23817

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<210> 23818
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23818

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<210> 23819
 <211> 639
 <212> DNA
 <213> Aspergillus nidulans

<400> 23819

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639

<210> 23820
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23820

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<210> 23821
<211> 368
<212> DNA
<213> Aspergillus nidulans

<400> 23821

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<210> 23822
<211> 500

<212> DNA
<213> Aspergillus nidulans

<400> 23822

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<210> 23823
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23823

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aacaatctcc ccagattctc tcaattggta ggttgctgcc gcgctatata cttcagcgac 420
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<210> 23824
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23824

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gctttcacgg tggatagtta gcttcagcaa tcagttcggc aggtgtatgg atacaccggc 180
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gttcgtagag atgcatcgga tcacggccga gtcaacagcg acaatcaaag gatcttcgtg 420
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gcttcatggc ccgctaaatg 500

<210> 23825

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23825

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aatatcttct 850

<210> 23826
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23826

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acgtgtgaac tctaccacca ggcgaaaccg cgaaacagat cttcgaacgc gcaagactcc 180
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atttgattcg ccagcaattc accaacaagg gccccctacc gcagacttta ccaccgctt 780
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<210> 23827
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23827

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ctcctcagcc gatccagggg gctagagtgt atagtttcaa gaccgtactg cataactggg 240
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cccagttggt ggcgaaggcg gggctgaaga tcaccagcat ccatacgatg cctgaccatt 480
tcgggctgat cgaggctgtt 500

<210> 23828
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23828
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cactggccgc 850

<210> 23829
 <211> 814
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 23829

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 tgctccaggc ttgattctga ctgggcccg cagtgttatta ccttatgcat ttcgaccaga 180
 acatgatcat tgatgctact cgcggatcca ctgctcgctt cgtganccat gnetgtgagc 240
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 aaagaacgtc caacaatgtc ggtgcggttc gtctaaatgc cgggggtatct taggccctcg 480
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 gcgcaataac aggaagggaa gagccctcgc cccatcctcc attaaatctg gcgtcaaaaa 660
 ggcgggcgta aaagcgcggt gagctgtctc ccgaaaaatg cctgctacta caacatcgtc 720
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<210> 23830
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23830

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 gaaccgtgac cccgatttcc gccatcaact gggcaggttc cgtctccaag gtogatcccc 180
 ctccatcctc gcagctgccc ctcccgacct cgtcctcaac gcccgcgact tgcgttcact 240
 cgccgtcaac acagtgcagc gccgctcccc ctccgtctct accgcaccgt ctacatcg 300

gtcccaagcg cgtctcaact gcctgtgatt tctgccgcaa acggaagaag aaatgtgact 360
 ttcgctatcc taattgctcc gcctgtactc gagccgggtgt gcgttgccacc atcgcgccgc 420
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 tacaatggct agaagagatt 500

<210> 23831
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23831

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 tctgtgtatg aaaccctttt gcgggataac gtcttggttc ccggcggccg gacagcatct 180
 gttggcgtgg gaggttacct gaccggcggg gggaattcgt tccatgccgc gcgtgttggt 240
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 gtagaccaag attcccatcc gaacctcttt cgggctctaa agggaggctc aaacaacttt 360
 ggcatcgtga ccttgttcga catggaagct ttttcaacgg aaggtagcat atggggcggg 420
 actgttttat atgatatttc caccaaggac cagtatattg ccgcgggcac agcgtttact 480
 gacaacatac ccaacgaccc 500

<210> 23832
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23832

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 gcgcctgggg gagtcctcaa caacggcccc ttccatgac cagagcagca agcactaggt 180
 agttcgccgt tattgaccat tcgtcctcct cccgcttctc cagcagagat cgtgagtctg 240
 catgagaaac catcgaacta tcacagcgct tccattctgt gcctccagtt tgacgatgaa 300
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aaaccaatcc gccgtcttga gggccacaca gctggtgttt tggatgtctg ctttgaccat 420
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<210> 23833
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23833

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 agtacttgat cacagcattc 500 -

<210> 23834
 <211> 716
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23834

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gcgccacctg tcgagcaact gacgccgcca ggagcagacc aaatcacccc gctggaaacc 180
tcagaacaga agccgcagca agcacctccc accattgagc aataccaacc ggagaaattg 240
gcagggaccc ccacacatcc agagcccggt ccagcgaccc cagcctttaa tgttgacca 300
gaaggacagg cagaaagacc accagtgtgt gtcccagttc cggcagaggc cacgacgtca 360
gctgaagcaa tcgcaaagcc acagtcaccc actgttgagg gacactcgcc tcaacactcg 420
actgaacctg cgggtggagaa aaaacaggaa cagcaaacga gtactacacc aagtcctact 480
gagcctgcta cgacatctgc ggacagaaca ccacaaccac aggctaccgc ccaacatact 540
cccaaggaac tctcaaggcc acaaactgaa acgtctcccg cctctaattgt tgagcctgga 600
gaaggatcac aaggcgaagc tactcaagca caaatgaacg gcgaacacgg gacgtctggc 660
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<210> 23835
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23835

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cgcgcccttt ggagtcttta caacctggat cgactgatcg caagcacatt aggcaggcca 360
ctggggattg ctgacgagga tatcacgtta tccctaccac gagagttaa tgacgacgga 420
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atctttctccc gaatctatcg 500

<210> 23836
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23836

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acaacaacta tgtccgaact cgggtgtgatg tcgccaactg gagactgtcg gtcttttgat 180
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taatatagtt ccatttggac ctgcttgccct tcgtgttccc gtggaatgtg agccgtggcc 780
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<210> 23837

<211> 635

<212> DNA

<213> *Aspergillus nidulans*

<400> 23837

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acgtccgtcg atgagatata tggcagagaa agtcaacaaa gcctggtttg tgcaaagtga 180
ggtgactgag agcttgctag ccaccgcgga agatttatat gctcgtatt tcgagggcgg 240
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gccaaacact tttcgtgtg gtctccttgg gatggctggc atcctatttg ccattcagag 360
tctaataac gcgagccacc acctagatga tgatgaacta agtcgtcaga cgagcttatt 420

actccaggta agtttgcgta cgctgttta tgctatgatt tcaatcgctc acagcggcca 480
gatctatgga ggatatttcc taattgtttt ccatttcttg ctattttgtg tagactgcat 540
gatctggaat agaactaaga taaactatgt tttcgtcttt gaatacgaca ctagatccgc 600
actggattgg cgccaattgg ccgaggtatg tttaac 635

<210> 23838
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23838

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taaagacgct cttggcgcggt gccgtcgcaa gttctatgga gaccaacttc ttgaaggggtg 180
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gagggcgaca ttgattttga aagtgtgtg aaaatgagcg atggactaaa ~ tggat 660
ctccgtaatg ttgtgacaga agcgtatgtc atgcccttgt tttgtactt ggtcattgct 720
aacgttgaaa aggggtctat ttgctatcaa ggactatcga gatgcgatca atcaggacga 780
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ccagaagttg 850

<210> 23839
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23839

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taatgagtgg cccaaccacg gcaacttcaa cgcagtcagc tggacgacaa atgtgcccga 180
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<210> 23840
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23840
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caccctccac cggcacgaac ccccgtaac cggaaatgag attggcatca tacatgaaac 180
cgacgattta ctgggttatcg acaaaccagc gggcgttccc gtgcactcaa caggacggta 240
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tgtccactgt tttccgtta ctggccgcac gcaccaaac cgcggtgcac tacagtttct 720
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ggggcgtacg

850

<210> 23841
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23841

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<210> 23842
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<213> *Aspergillus nidulans*

<400> 23842

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<210> 23843
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 <213> Aspergillus nidulans

<400> 23843

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<210> 23844
 <211> 533
 <212> DNA
 <213> Aspergillus nidulans

<400> 23844

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<210> 23845
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23845

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<210> 23846
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23846

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<210> 23847
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 23848

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23848

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<210> 23849
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23849

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 <213> *Aspergillus nidulans*
 <400> 23850

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 aacatgggtgc tcttagatga cagtaatagc tattgggtggc ttgttcgaat agtaaaggat 180
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<210> 23851
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23851

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<210> 23852
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23852

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 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
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 <213> *Aspergillus nidulans*

<400> 23854

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<210> 23855
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23855

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<210> 23856

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23856

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cgacaacgtg gaaacgacac tctggcggct ttcagctggc gctagaggcg cgggtctaac 600

cggaatttcg ccagttgcga ggatcccgga gtgtcatggg ctttatggag tggcggcaag 660

tgggagtgcc gtttttgcta gggactattg gcaagaccag aagcacgaga tcgaacagac 720

aagaagggga gaattgccag tatctacagg cggaattata atccaccgtc ctctcctctc 780
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<210> 23857
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23857

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<210> 23858
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23858

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<210> 23859
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23859

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<210> 23860
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23860

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<210> 23861
 <211> 776
 <212> DNA
 <213> Aspergillus nidulans

<400> 23861

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gtaagggcgt ttctgacatg accagaaccg atacacgcag tattcaacga aaactagcga 180
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 tcttttggtat cccctgtgac gtttgtattt ttgtgcttc tatggcgggc tcgggcccgc 720
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<210> 23862
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23862
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<210> 23863
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23863
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<210> 23864
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23864

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 accagaaatt atggattaac atgggtccca aagaggtgtc agacagtgtc gatgataaag 180
 agaagaagcg acaggagatc atcttcgaga tcatgtacac ggagcgagac tttgtgaagg 240
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 tcaaagtcaa tggcgactc tctgaggctc tcaatgcaag gcaaaaggaa agtcatattg 420
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tcacagaaga 850

<210> 23865
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23865

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gggaaaattg aatcgttcgg tggcgtagcg gagagacgag cttgcttcgt aattccgtca 780
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<210> 23866
<211> 386
<212> DNA
<213> Aspergillus nidulans

<400> 23866

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ccattcgccc cgttacgggt ggacatgcga cactgtgtcc gagtttgaaa ttgtgctacc 180
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<210> 23867
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23867

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<210> 23868
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23868

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gacgcaacct ggggtggccga gtcattctcg tcaagtcctt cgctcgtatc ctcgagacca 240

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ttgatgcttg cgatgtcgtt gctaccgagg gcctgtacga gacactgaag aacggcggca 360

agggtgaggt caagcttcgt gttacaaaga agagtggcga ggagattggt attcctgtga 420

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<210> 23869

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23869

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ggatggatct tttctcgcgt tcctttgacc gcgactaact gggaggtgag catgttctac 240

aatcatgcta cagtgaccga gactaaacat gggggtagat cgaatttgaa ttccagatcc 300

atggagaggg aaacctgcac ggcgatggct tcgccatgtg gtcaccaag cagcgcgcga 360

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cggtcttcgc accacctccg tccccacaaa agcccgccca acgtatttcc aagacaagtc 660

gctaaccctg gacctgcaat acaaatccga aggcacctgg accaactgct tcactctcac 720

aagccccgag acgaacatcg ccattccctc cgtcgcgtac cttgggtttt ccgccgagac 780

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<210> 23870
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23870

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<210> 23871
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23871

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<210> 23872
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23872

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<210> 23873
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 23873

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<210> 23874
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<212> DNA
<213> Aspergillus nidulans
<400> 23874

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<210> 23875
 <211> 595
 <212> DNA
 <213> Aspergillus nidulans

<400> 23875

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<210> 23876
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23876

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<210> 23877
 <211> 532
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23877
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<210> 23878
 <211> 618
 <212> DNA

<213> Aspergillus nidulans

<400> 23878

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tggctctggc caaacgaacc caatgcgtat gaagtgccga accaatactt cctcgggttc 540
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<210> 23879

<211> 751

<212> DNA

<213> Aspergillus nidulans

<400> 23879

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<210> 23880
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23880

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<210> 23881
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23881

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 gaaaggtcc 850

<210> 23882
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23882

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 gagtaccca agcgaggtaa ttctaacctc actgacgtat gctgcaggat ggtctctctg 180
 gtccaaggat atcattttcg tattcccccc ggatagcaaa tctggaacac aggcattgggt 240
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 aactcatcga tttgtcagta tcggcactta tctcccgagt gcgatgctca ttgctgggaa 780
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<210> 23883
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23883

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<210> 23884
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23884

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 aaggctcttt aaataagata aagctgaaga actactacca taccaggag aggggattaa 180
 ttacaaaatt aagcttgat agggaggag taggaaggat cctgaagtcc cctagggccc 240
 cctttataat ataaccagg aagaactaat agtcctctgg aaaatactct ctgaactact 300
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<210> 23885
<211> 835
<212> DNA
<213> *Aspergillus nidulans*

<400> 23885

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<210> 23886
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23886

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<210> 23887
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23887

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500

<210> 23888
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23888

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<210> 23889
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23889

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agaagatggt 850

<210> 23890
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23890
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<210> 23891
<211> 500
<212> DNA

<213> Aspergillus nidulans

<400> 23891

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<210> 23892

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 23892

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acgcataccg ggttgacata cgagaagctg attcttcctg atgttacaag tgagtataat 780
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<210> 23893
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23893

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<210> 23894
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23894

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 tgggtgagtt caaggagaag aagttcgact tccctgcaa cggaaggggc atgtactggg 360
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<210> 23895
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23895

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<210> 23896
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23896

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 gatgaatcct gggctccgag cgaaggccca acaggcttca cggtcgatcg aaatcatcgt 300
 tatttggaag gcttaatttg agaatgtttg ttgacagaat ggttttggtg caacagggta 360
 agctgtacgt ccgcggtgac agcaagatct tccgcttcca gaatggaaag tccgagtccc 420
 tcttcctcca gcgcaagaac cctcgccgga tagcttggac tgtcctttac cgtcgccagc 480

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<210> 23897
<211> 718
<212> DNA
<213> *Aspergillus nidulans*

<400> 23897

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aacacaaaca tggattctgc cagacgcgag gctttgtccg catgtacctc tgtcgaatcc 180
atgggcagcg ccatggcctc gatgcctcac tactcagccc gcggcatcaa cgaactcaca 240
gcttctggcg tggagaccgc ggtcagcgcg cttaagacca tgctcacact agtcgtatca 300
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attacaatgg ctgttcgcgg cacggtcgac gtcggagtcg ggctcctgaa agatgccagc 420
gacttcctga actcgacaat caagtctatc ggcaaggca tcagtgcgc aacacagacg 480
ttcgaggatg gcctcaacaa attcgtcgat ggaataaata tcgtcggaag cgtctttggc 540
ggagacgagg tccccgactt agatctctca agcttcatcg aagacctga aaacgcccag 600
cttccatcct caatcgacga tggcctcgac aagctcaatg actcggtacc gacgttcgac 660
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<210> 23898
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23898

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tctggaagcg ggaaagcacg ttctctgcga gaaggcgttt acagtgaatg cgcagcagac 360

gcggattttg gttgagacgg cacggaagaa gaatctattc ctaatggaag ctgtgtggac 420
gaggtacttc ccgctaagta ttgagattcg agagttgatc aagaacggcg ccattgggga 480
ggtgttaagg gttacggcgg 500

<210> 23899
<211> 662
<212> DNA
<213> Aspergillus nidulans

<400> 23899

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acaccatccg ctctggctgg gccccagcag actatccctg cgttgtcggg cacgagataa 180
tcggcacagc aacgcgcacg gggcgcgccg tcaataataa gcaaaacatc caaccggcg 240
accgcgtcgg catagggcga caatgctcct cctgcctacg tccagactgc gaagcctgcg 300
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ccgcatccct gagcaattga gtagtgcgga ggccgcgccg ttgctctgcg gtggtgttac 480
tgtattcgcg ccgctacgac gctttggcgc tggaccggg aaacgcgtag gaatagtggg 540
tateggcgga ctagggcata tggggttact gtttgcgagg gcgctgggga gtgacgcagt 600
tgttgcaatc tcgcggtctt cgtcgaaaaa gagtgatgca attgggccat taccgacaaa 660
tt 662

<210> 23900
<211> 512
<212> DNA
<213> Aspergillus nidulans

<400> 23900

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gacattgggtt ggtacgggtc tgcgtaacctg ttcaccgact gtgcctttca gctcgtcttc 120
ggccggctgt attccatgtt gccggtcaag atcgtctact tgggcgcact cttgctgttc 180
gagatcggct ctatcatctg cgcaaccgca cccaattcta tcgccctgat cctgtaagtc 240

aaacgtacag gagaagtaaa taagagaaaa ggaaatgtag tcgctgactg tcgtgcagcg 300
 gccgaactat cgcaggcatc ggcgagggcg gcacccctgtc tggagcccta acaatcctct 360
 cgcaatcggg cccccgggcc aaagtcgccc tcttcaacgg tattctcggc gcggtcaatg 420
 gaatcgctt catctgccc cctctgctgg caggggggat tatcaacggg acgacctggc 480
 gatggatctt ctacatcaac ccgatcatat cc 512

<210> 23901
 <211> 534
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23901

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 tgtgaaagca ggcgaggaga ttggctttac tgtgcgcaca aacatcggcc accccgggtcc 120
 cctactcgcg tacatggcca aagcaccggg tgacgcgagc gacttcgacg gcgacggaca 180
 ggtctggttc aagatctatg aggacggccc aacagtcact gatgatggac ttacgtggcc 240
 aagtgatggt tcgcccctgc cacctccctc cttgacgcag gtaacagtaa ctaatcttgt 300
 cataggcgca acaaagtca acttcacgat cccttcactt ctacctgatg gcgactacct 360
 cctccgtgtt gagcacattg cgctccacgg cgccggcact gaaggtggcg cgcagttcta 420
 tctctcctgt gggcaggtcc ccgtcaccgg tggaggaaac ggagacccaa cacccttgt 480
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<210> 23902
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23902

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 ttctccatg tgtaggtgaa cccgctcttg catcaacctc ttgtgtttca gagtagtttc 180
 accaaacata tctctgtgtc ctctcttctg ctcttcaatc tcatattaca ctgttctcta 240
 tctatatcgt caacaaaact accacccaaa caccaaagt cacactttcc agcacgaaat 300

ttcttcgtcg ctgacccta cgacatcctc ctgctgcta tcacaatcct cctgaggacc 360
 actaactctc taccaacca gcaaagcgca atcgtcttcc cactaccgag aatcaatcct 420
 ttccatcctt ctggcacacg tctttcacga tacaggactc ctctaccga aatagatgat 480
 ccgcattgta cacctcatct 500

<210> 23903
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23903

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 tccgaaggga ttctttgtct cagggactca cgttggcgtg aaagcatcca acaccaagtt 120
 ccagacctt gcgtcatca cgtctgagac gccctgctcc gcggccgcag tgtttacgac 180
 aaacaagttc caggctgcac cgggtgcaagt tagcaagaag atacttaatg cgactcaagg 240
 tcaagggatc cggctctgta ttatcaactc gggctgcgcg aatgctgtta cgggcaaggg 300
 cggctctgaa gatgcgatga gcatggctac aaaggtggat gagtatactg gtgtcgccga 360
 gaacgggacg ctctgtatga gtacaggtgt tattgggcag cggtatgttt ctcatcgtca 420
 tgacttgcaa atgattgcca acagattcca atttctctag tcttcctatc tctaagatcc 480
 tttccaagat tcccgaagcc 500

<210> 23904
 <211> 630
 <212> DNA
 <213> Aspergillus nidulans

<400> 23904

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 tcactctccc cctcttcctt tccctactat cgttctaccg cgagcgtgat cctcccccatt 180
 cctcccctct aaacacagtc ttccactacc tgaacgccta caagaatgct ttcgccaaac 240
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 ttctgcaagc cattgccgcc cccgtgatcg gccggtctc tgacaagcat ggccgccgca 360

aggcattgct agcatcaatg ctcggaacaa cactcagcgt tgcgctgtgg gttgctgcaa 420
 ccgatttccg aacgttcctt gcgagtcgca tcgtgggagg gctgagttaa ggcaatgtgc 480
 aacttgcgca tggcgatcgc gacggatata agtgagccaa gtcaacgcgg gtcgacgatg 540
 gcgctggctg ggcgtgcttc agtatcgctt tcacgtttgg acctgcccta ggcgctgacc 600
 tgtccgggat tatgactgtt aaggcgaatc 630

<210> 23905
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23905

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 tgccaagaat cttgcatcac agtacaacta ccacgttcta atcggtgtgc gcagaatcga 180
 agctggcgag aaagtgcct ctgagttgctg tgccgcgggc cacaagcta cctctctcca 240
 gctcgacctc gactccgaag agtctatcaa agccgccgtc gatatactcg agaaagacta 300
 tgggtacctg gatatactga tgaacaatgc cgctgtcctg ctggatcatg acaacaccct 360
 ctgcacctgg gcgtatata gcaggacatt cagccgaat gtcacggca ctgcaacatt 420
 gacacacttg ctgctgcctt tgattcggaa ggcaaaggca acgccccaa cgatcatttt 480
 cgtgtccagc gggatgggaa 500

<210> 23906
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23906

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 ggctcagagc gcaaggaaca tgcaccaccg accaagaaga aaaaaggaca acggttttac 120
 tgcaccgact tccccctg caatctaagc ttcaactcga gtgagcacct ggctcgtcat 180
 attcggaaac atactggaga gcgtccattt cagtgccact gttcacgaag gttttctaga 240
 ctcgacaatt tgcgccaaca cgccagaca gtgcatgtga acgaggaaat accagacagc 300

tctttggccg ccaccggcac tcgctttcaa cgtcagggtca gaacagatcg ggtgcgcccc 360
caggggtcgcg cgagggcagg cacgggaggt agtcaggcaa cccatactag gggccacagt 420
aggaacctct cgacatcaag catcgcttcc acaacctoga catttagcca acccccagag 480
ttgcgcgggc gcccgccacc 500

<210> 23907
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23907

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cgaagtctac gtcgactttg tctaattggcg attctcaggt tcccggcgcc gctggcaacg 120
gcgaaagcaa ccgcactgat accctggaga ttggtttgga gttcagggtg gatttgcgca 180
gcgaggacct gattaccctg aaagaactcg gtgccggaaa tggagggacg gtctctaaag 240
tcatgcatgc ttcgaccaag gtcgtcatgg ctcggaaggt aggatttacc tatatagcat 300
gggtcctggg ctctgttgac aacgctgcta gattattagg gtcgacgcaa aagaaaacgt 360
caggaagcag attctgcggg agcttcaggt gggtcacgat tgcaactctc ccaacatagt 420
gacctgaaaa ggagcgtttc ataacgaagc aagagatatt gatgtatgtg catggaagat 480
atgaaagtaa gctaccgta 500

<210> 23908
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23908

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agggggccag ccaaggaatc ccaaaaaag aaacaaagcc gccgcggcgg aagcgcgga 180
ttcaaacgt caagcgactt aaaggtccag atccagcgtg tcgaacgaac aagggcaacc 240
aagcaggtgt gggtacagga ctcgaaagttt cggattaaag aattagaaag gtggccaagg 300
agctgggaaa gaaatttgca acaggttcgt ccgtcacgaa gtctgcttct ggcattgagg 360

agatcacagt gcaaggcgat gtatgtgagg acatcaagga atgggttattg gaaaactatg 420
 ggaaggggaat ttcggaatct aatatcgaga ttgtcgagga taaaaagaag aagaagggga 480
 cagctgaagc ttaaagtgat 500

<210> 23909
 <211> 502
 <212> DNA
 <213> Aspergillus nidulans

<400> 23909

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 ctacacaaca ttggcatctt ccgcatgccc atcgtcgcct tcacagccac cgggtgctgcc 180
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 caccgcgtcg cgacgcagta cctgcttgct gccatcgacg gtaagatcga gcccgatcac 360
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 cccggcgтта agtttagctc cggtcggctg ggccatatgt ggccgctggt caacgggtatt 480
 gccatggccc acaaggacaa ga 502

<210> 23910
 <211> 505
 <212> DNA
 <213> Aspergillus nidulans

<400> 23910

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 ctctctctac acggctttcc ggagcctgtc cttgacagcc tcgaaacgat cgttctcgac 120
 aacacgacct gccagaagc tcccgaagt accggactac attccgccat atccttatgg 180
 cccgaattac atgtttcgtc aatccaacac cggctctctac ggtggcgcaa cgattcaatt 240
 tggaataaag atctcccagg gccggaacga agggaaaacg cgtcggttct ggaagcccaa 300
 cgtgcgacga aagaagctat ggagtgaagc acttcaacag ttccttttca tcaaggttac 360
 aagaaaggct ttgcgaacga ttcgaaaggc tgggggcctt gatcaatact tggtggacga 420

tcggcctgcg cgaatcaagg agttgggtgt ttttggatgg aagcttcgat ggcaggtgat 480
gcagactgat aaaatccaag agcaa 505

<210> 23911
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23911

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gacatcgagg atgctgagct tgagaactgg cagttcagct ggtacgaagg tacggacacg 180
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acggcaaata ccagaccaag ctgcaattag acaagttccc tgtcctcggt caccagatga 540
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gcattgtcta tactgctttc cttgctgatg ccaccctgg tgctatgacg tcccacaccc 780
gtctccgtag tgaatacgac cacgttatca agcacttagt cgagggtatt accaaccaca 840
cttggactga 850

<210> 23912
<211> 697
<212> DNA
<213> *Aspergillus nidulans*

<400> 23912

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actcctgtcg ccattgtatt tcccaggagac acctctcagg tggcagcggc tgtcaaagt 180
gctgtagatg caggaatcaa agttcaagcc aagagcggcg gacacagcta tggcaactat 240
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cagaatacgg atctcttctt cgccattcgc ggcgcgggtt ccagtgtcgg catcgtgacc 600
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acagagacgg actcggccac tcgcgcacag gtcttcc 697

<210> 23913
<211> 850
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 23913

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caatggtgcg acttcgagtt tgacccgat atgttccccg atgcggccgg gtacctagcg 180
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ccatggcgga gtcccttcgt ggtcggcttt ctctgggact agcgggggtat atattctggg 780

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 ttcggccttt 850

<210> 23914
 <211> 718
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23914

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 catgactagg gctgggggtg aggaggatat tgcgggggtg gtactttgga tggcaggtgc 660
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<210> 23915
 <211> 758
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23915

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 ctttcgtctc tgctgaagat actccaggct cggcctccga aggaactatg gccttcatga 180
 aggcgagcct cctcgacttc atgtctgaca agcgcaagaa gaacaaatct aagggaaga 240
 agaagggtaa gaatgttccc gtcgaggaac atggcgaaaa ttcaagtaca cctgcgaaga 300

ataataccgg gagcagtgtt actgtcgagg agcaagctgg cgaactctca gaggcctttg 360
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 ctgatggagc cgaaacttct ccaagcaatg atggaaggct accttcgatac gagtcatctc 660
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 agaaagatgc gacactacct tcactctgagt ttttatct 758

<210> 23916
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23916
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 cccagtcacg ctcaactgg gctcttgata cgggaacatc tgcaaagatg cgatccagaa 420
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<210> 23917
 <211> 668
 <212> DNA
 <213> *Aspergillus nidulans*

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<400> 23918

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 <213> Aspergillus nidulans

<400> 23919

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 <213> Aspergillus nidulans

<400> 23920

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<210> 23922
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<212> DNA
<213> Aspergillus nidulans

<400> 23922

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<210> 23923
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<213> Aspergillus nidulans

<400> 23923

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<210> 23924
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<212> DNA
<213> Aspergillus nidulans

<400> 23924

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<210> 23925

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 23925

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<210> 23926
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<213> *Aspergillus nidulans*

<400> 23926

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<210> 23927
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23927

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 <212> DNA
 <213> Aspergillus nidulans

<400> 23928

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<212> DNA
<213> Aspergillus nidulans
<400> 23929

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 <213> Aspergillus nidulans

<400> 23930

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<210> 23931
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23931

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<210> 23932
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23932

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<210> 23933
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<212> DNA
<213> Aspergillus nidulans

<400> 23933

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<210> 23934
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<212> DNA
<213> Aspergillus nidulans

<400> 23934

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ccaagttatt taccaccagg gtgacgaaag tgatgctatt tatattactc taaacggccg 180

ccttcgatca gttcacgagg gcaagggggg taaaatgacc gtggttggcg agcatggaca 240
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cgcaatacga gataccgagc tggcaaaatt tcttcgatcg ctcttcaaca gtcttgcgca 360
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ccgtagtgcg 850

<210> 23935
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23935

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taatgttgta ctccacgga ggcggctggg tgctaggaaa cattgacacg gagaatgtgg 420
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<210> 23936
<211> 500

<212> DNA
 <213> Aspergillus nidulans
 <400> 23936

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 gggctctagt gtcgggacgc accagcttag tctcacattg gaaggcgtgg tcatcaatgc 240
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 gtggctgatt cggcagaata gagtggagga agcgaaggcg agcctgcaga ggctttgcga 420
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 aatgaggggtg agcaggggaat 500

<210> 23937
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 23937

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 ggccaatccc gaggcgaagg tccaggatgat gagcgcgttt gggaacatgt cgctatttaa 180
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aagatccccg ttaacctcat ccgcgcctct cgcgtcctta tgtacgagca gccggctggg 780
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gttgagaagg 850

<210> 23938
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23938

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ttccagcttc tccgacaagc gtcccctgcc tcgcccgtcc gcgtaatagc acacatcgac 180
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<210> 23939
<211> 781
<212> DNA
<213> Aspergillus nidulans

<400> 23939

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atatcggacc ctcaactggc gattgctttc aaaaactttc tgaagaagga tgatgtgacc 180
aggacgaaag ctatagacga tataaagtct ttcgtttcca gtgtagctgc aaatgatggg 240
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ttgcccgatt tttgccc aaa gtagttggg cgtggctggc tggggggttat gataatgata 480
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<210> 23940
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

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 cttatttcat ttctataccc ttactatatt ttctctttct tattttttgt taatatatgt 360
 cttccattat gtctctttct atttgtttat tatcacttta ttgatttatt ttactttatg 420
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<210> 23941
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23941
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accaattact tacgcccacc acgtgttgag cgtgcagttt atttagcttt tccaagtgc 360
aacgatctat agatgattac cgtgaacgga accctgggaa ctggactgta ctggcgcggc 420
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cttttatcct gggccgtgat 500

<210> 23942
<211> 536
<212> DNA
<213> *Aspergillus nidulans*

<400> 23942

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ccatgaacac gattactctt cgagaaggga atataatcaa actgacaata ccagccttac 180
ccgtgaactc gagaagaagt tctcggaccg ccacgtcctc ttcgtcgctc agcgccgcac 240
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gattgtcggc aagcgcatcc gcaccaagga ggacggctcc aagaccctca aggtcatcct 420
cgacgagaag gagcgtgggtg gtgttgacca cgcctcgacg cctacgcgga ggatctacgt 480
cgtctgacgg gtcgtgctgt cgttttcgag ttcccaggg tggtgcttct gagttt 536

<210> 23943
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23943

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ctcagaaagt tgcggataag gagatgcgac gactgcggaa gatgatgcct gtgaaccagg 180
aatatggagt aatccggaca tatcttgaga atctagcgga tattccgtgg accaaggtga 240

ccgaagataa acttggcccc gagaccctga aagcagcgcg aaaacaatta gatgacgacc 300
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 gtcgacgttg cgaaccctgt gttcttgctc gccgagatag ctaagattgg cgcctctgat 780
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<210> 23944
 <211> 649
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 23944

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 cttttcaaag tggcggaataa ttgcaaccgt ttgcagggtc tcaacatcac tggatgtgtg 180
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<210> 23945
 <211> 428
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23945

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<210> 23946
 <211> 702
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23946

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cgccaggaaa gtcggagatt gatgtggcgg ccgactacct ctttaagtta cgacaggcaa 480
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702

<210> 23947
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 23947

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ccactttagt gagggttaat 500

<210> 23948
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 23948

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<210> 23949
 <211> 786
 <212> DNA
 <213> Aspergillus nidulans

<400> 23949

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<210> 23950
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23950

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<210> 23951
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23951

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<210> 23952
 <211> 345
 <212> DNA
 <213> Aspergillus nidulans

<400> 23952

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 cggaagaggc ttaggcattg gtcaaaactc ccggaataac aatgcgacca agcagtcctc 180
 cggaatggc ctgcggcac actccttcgg tgcccgcatg ctagccaaga tgggttatgt 240
 tcaaggccag ggtcttgat cgagcggcca gggtatcgtg aatcccatcg aagctcaggc 300
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<210> 23953
 <211> 652
 <212> DNA
 <213> Aspergillus nidulans

<400> 23953

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cagagcctga gctagacggt gcgagcagca caccacatga aaccgggtcc agcgaagagg 540
acaacagacc cttcacacca ccggagggtg aaccggttgc tgtcccgtg accaaactgc 600
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23954

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gtctacgcca acgtccttga ccagctagtg gtccctaagc taacaagcgg cctaaactct 360
tggaacacaa aacggtcatc ttcttcatcc cactctcaac agaactctcg cgtcccctgg 420
tggtttttca catggctcca atacctcgac gaacgacaca caaacccgaa gcaagcaaca 480

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<210> 23955
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 <212> DNA
 <213> Aspergillus nidulans

<400> 23955

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 tacgggctga tcgtcgacag tctgctgcgc gcaacgggtg tgctcgctaa cggcagcgtc 180
 ctgaagcat cggacgaggc ccatcgagac ctcttctggg cgatccgcgg tgcaggccag 240
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 ggcgggctgc tctacttcaa 320

<210> 23956
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23956

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 agctcaaact gtgacagatg gccgggagaa tgggtccaaat gtctggcatg tcctcgctcg 180
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 gtcactgctg ttgcctgatc gacccagcc tcatgacggc cccatcactg ctactgttcc 420
 caggccggca cctcccaaag caaccaagac aaacgtcgcg aagacagaac ctgtcagtag 480
 cgcacgcaat atcgcaaaag aagtatgcaa tgtggtcgcc aacgtttccg gcacgaggc 540
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 ggaagtgcgc cgagagatgg agaactttt ccattgcacc ctcgacagca ccgagacaat 660
 gggtgccacc aacattcgtg attttgctgc ctgcgtgtcg aatgcgttgg cgagatctgg 720

aggatcaagac ggtgcctcga ccagcaccga gagcgatgct atgctctcag actcggagga 780
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tcacgatccg 850

<210> 23957
<211> 572
<212> DNA
<213> Aspergillus nidulans

<400> 23957
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gccgagatat tagggttgaa tgtgggggaa gatcaagaag gggcggacga tatgggtggc 180
gtggaagttt ggggtgttga cgcgaggcgg ccgtggaatt tggcgaatgt cttcggcggc 240
ggagagggga cgcagcagca agactccatg cggaggacgc ctggtgtgga taaaggatgt 300
attactgtct cgtataagtt tgggagtggg aggggaggag ttgttgttta tgatgatggg 360
gatatcgagg aagagatgga gagagagaga gaggcttatt gtgcgttgtt ggatatgccg 420
gaggtggatg atgatggcga tgatgaagac gaggatgatg agccgccgtc gagcaccgac 480
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gatggaccgc ctcgacagcg gaggcggagt aa 572

<210> 23958
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 23958
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gatactagat acatgagatc actaatagaa tatcaactgc tcacacaaac caccgcagtg 180
gcatacagaa agaagccatc atacatctgt catgggaagt gcctccacaa accccgagaa 240
gcgcaggggtg gtcaacgcct gctcgcgatg tgcgcagcat aagatcaagt gcaccggcga 300
ctgtccctgc agcaactgta gacagcgcaa ggtgagatgc aagtttgagg gagaggaaac 360

caaagtccac attaccaaaa aacatttttc gagtctgaag cgacggacat tagaactgga 420
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 ggccaaacgg agcacaccga 500

<210> 23959
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23959

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 aatcacacca tgatgcttcc caggcttttg acgcctctcc ggtctttggg cagagcaatc 120
 tcttgcccat cagcacaatt aactcgcta cgcacaacat caacaccaca attactaccg 180
 cggacgttat ccgcttatac aactccctca attctcagc accttccccg attctctctc 240
 tctctctccc aggtacgata cgctcccccac tctgccaag gagccgcaaa caaacactcc 300
 cgtgaccccc cggaacacg actcggcgcg aaacgcacag gcggcgagta cgttgtcccc 360
 ggatgcatca tcttccgaca acgtgggacc aagtgggtggc ccggcgagaa ctgcgccatg 420
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 gagcgtcacc cggaccggaa 500

<210> 23960
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23960

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 agatcaagga acatttccaa atccatgcta agtacctcga taagcgtggg tgggaggatc 180
 gggtgatttt ggagaaggat attgcccggg gcgaggatga gctattcttc ttgatgaagg 240
 caatcactac ctcacaaagg aaagttgagc caactgtgac aggagcaacg ggtctcttgc 300
 gttggaatat ctccgccagt gagatcggtt ggcacttgat gaaggacgag tcagagccac 360
 tagtagaatt tcagctgagg aacgctgaat acgaccgcac tgataatact gatgggtcga 420

accacaacca agtgtccgtt gagcgacttt acggcctgaa tctccttcg gatgcagtgt 480
atccgcggat catcgtgccg tatcttgacc aggcgcgacg tcttgaaggc cctgatgact 540
atatgatcaa gatcaaattg catatgctgg agggccgtgc tggaattcct ggtgtggatg 600
actaaaaagt gtcattgttc cccgtggaag atccaattgt aacatgagct tgggcagaga 660
gtattcgagt acatgttccc gaatgttggg tcgaccgcat tcgaaaatgg tggcttttcg 720
ccttttatga taaaaaacgt caagccattg gagagtcttg attccgacta caaggagtct 780
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atgggcccta 850

<210> 23961
<211> 748
<212> DNA
<213> *Aspergillus nidulans*

<400> 23961
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agcccgcatg gccaaattga tgtatgcact gttcttgctt ggaagtgtcg gtggtatggc 120
ttatctcggg cgaaactggg ataccgttga ggaggaaaat gccatcctg atgtcccatc 180
cggtcggagt tttggacttt ggtataatcg catcaaggct cgaatgggcg actttacaag 240
ctattacaaa gaccctgctt tcccgaaact gcttcccgac gaagatcaa accttcgcca 300
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gtactacgaa ctgcctctct ttaccagcgt gcctagcatg atggccgatc aggtgctccg 480
caagcttgac ccttaccgca tcatccgttg gcccttgctt agggaagcca ccaggtacaa 540
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ggctaacatg gttcatcagg atctttctta cctcaaccgt gacctttcca aggtcatctt 660
gatcgacacc aaggaggagc acgcccgtct gcagcctgag aatgctatca ttctcgacaa 720
gtggaatgga aaccccaagg ataaaacc 748

<210> 23962
<211> 500

<212> DNA
<213> Aspergillus nidulans

<400> 23962

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tattctccag aatctgcgta cagcctgaa gacttggcga agccgcccga taactatgcg 120
gttctcattt ttgacgccct cacagaggct agcacacca tgacgctgaa gcagatctat 180
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ggcaaaggat ggtcatggca gcttcggcca ggagcatctg ttgagaagga gaagaagaga 360
cgaccgtcac caccacctcc tcccgtcaa cctgcacagg ctctccgctc ctctgtcacc 420
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atggccaacc cgcaattcca 500

<210> 23963
<211> 356
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 23963

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nggagtttgt cttttttgcy tgtcta atcg cacacacaca ctcccgctcg cggaaatata 120
tgcaggcact ggctctcaat attccttgct tctcagaccg ttgggtagag gattgcgttg 180
ctaaaggcca ggtaatggat tgggaaatgt accttctccc tgctggtgaa tcatcatacc 240
tcaatggggc aacgaagtcg agaatcctca cgccctaccc ggcgactaga gcacgactct 300
ccaagactat ctcatcgcyg ccaa atcttc taaacgggca atctgtcttg cttatt 356

<210> 23964
<211> 685
<212> DNA
<213> Aspergillus nidulans

<400> 23964

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 ctcgttcccc gtattgaatg tgagcgctt gaatgattat atagtcactc acccgaacta 360
 ccgagtgaat gcttttggct tccttcccgg aaaggcagtc aaagactcgc caacctcaga 420
 tttaaaccga ggactcctgg atcaggagta tgcccttaa tggattcaag atcatattgc 480
 ccattttgga ggcgatccac gtaatgttac tatttggggc cagagtgccg gcggaggctc 540
 tgttggttgcg caggtcgctg caaatggacg acgaggaaga aagaggcttt tctcaaaggc 600
 gcttgctagc tcaccattct ggccgaagac gtatcgctac gacgactacg aggcggaggc 660
 tatctatgac agtttgggtca acttg 685

<210> 23965
 <211> 611
 <212> DNA
 <213> Aspergillus nidulans

<400> 23965

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 ggtcgaaagg ctggtattca gcgactcgga gagcagtatc aggcgtaacg gcggaaatga 180
 ggatgaatcg gagacggagg cattgctatc cagctcctcg aacgcggccg ccaaatatcc 240
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 agacaggatt cccgccaagg acgaatatat gaaatatccc caggcaaacg tcgaaccaga 360
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 taaccatgac gcacaggctg ctgctctcga tcctgcgcac gccgacaagc ctgcagagtg 540
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<210> 23966

<211> 762
 <212> DNA
 <213> Aspergillus nidulans

<400> 23966

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gcgtcgaacc ttgccactta tccgttaagc cttatcattg cgagattgca aaccagaag 120
cgacggggac ggagagcaag cgatgaacag aaacacgaag atggtgatga gtatgctggg 180
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cttgtgcagg acacgctcaa aagtgtgctt gatgcgtttt tgttcttctt agcgtacgag 300
tttttttaggc agcggaggat tgctgcgagg tacggttcgc agcgcaaata aaggcataag 360
gtattgcctg ttcttgatga attggctgtc ggagtgcctg ctggggcggt ttccaaattc 420
ttcacgacgc ctttatcgaa catcgtggcc cgaaacaga cgtcgaagac ttcagctagc 480
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attgccgtct tcagcaagtc agcagcgtcc tcgatcacat accctttttc aatggcaaag 720
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<210> 23967
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23967

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cacgttggcg caaagaacta tgccgggatg ctgatattga gatttattct gggaatggca 180
gaagcatgcy taagcccttg cagtacgtta catacctact tcccaaaaca gacaagatct 240
tgctaacggg agcagtgatg agctttacat ccatgttcta caagcgatcc gagcagccgc 300
tacgcatggc catctggctc tctgcaaag ggacagcaac aatgggttga gcgctactcg 360
gctttggtct gggccatgtg cacaacacat ctcttgaaag ctggaagctt atcttcctcg 420
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 aaaacatgat tggcattaaa acgaagcagt tcaagttcgg ccaaaccctg gagctcgtat 600
 atgacatcaa ggtgctctgc atcctaagca tgggaatatt ctgcggcgtc atcaatggtg 660
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 tacacttccc aaggggcaat gagaccgcgc gttccattgc ggttgggtcc aatgtcggac 780
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<210> 23968
 <211> 567
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23968
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 caacatcact aatgccgctg tgctaatcgc gatgggctgt tcctcactaa tctgggtctcc 180
 actagccgag atcttcagtc gaaaacgtag ctacgatgct gcgacggcgg tcatgctgct 240
 tgccctctatt gggaccgcgc tggcaccgaa catggctggt ttcacaagta tgcgcgatgat 300
 ctcgggcttt acgggaacgt actttatggt tgccggtcag acggtcattg cagacatttt 360
 tgtgccgaca gtgagagggc gtgcagtggg ctgtctacag gtggggagtg tggcggggag 420
 tgccttaggt gcgtatcagg tcttgggtcag aaactgaagg actactgtac ttataaaaca 480
 ccaactatag gccctgcat tagcgggggtg atcgtaacat tcgcccactg gcgcgatatc 540
 tactggctgc aagtcgccat ggcaggg 567

<210> 23969
 <211> 672
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23969
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 tcgagcactt cctgctagag aaagccccgc cagattcgag tataacttttt ctgtacgtca 180
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<210> 23970
 <211> 512
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23970

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 gtcccacttt tcagcatctc tttgtcggcg cttcttaatc attcccagcg gctgggaaac 180
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<210> 23971
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23971

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gccgctctat attgctgcga ctgccggtgc gatagctcta cctacactat tgaagttgca 180

gaccatcatg aaagccaaac ggaccgagtg gactacagag cacgaactac cggatatgtg 240

agataaagtt agcggggttg gctcttgact aatgtgatta tcaggtcgag attccacttc 300

cgccgtccta cctattccat tctatttttg tgtgtcctgt ttcgaaagaa cagacgaccg 360

acgcaaattc gcccatgatg atgccctgcg gtcattgatg tgccgaagag tcgctcaaac 420

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<210> 23972

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 23972

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cagcttactc tccagatgaa gatggatgag gaaaagttca ggatccgcga acctgctcct 420

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<210> 23973

<211> 811

<212> DNA

<213> Aspergillus nidulans

<400> 23973

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 gaagagctta aaataacatg caagtctatt gctttgtctc ttgatatttg gacaagccag 180
 aaccaccttc caattcttgg tattattggc cactggctca tggaggactt tatataccag 240
 gaaaagggtgc tagagtttac agaactccat ggagtctata gtagagaaaa ccttgctgct 300
 gctgttcaac taactctatc tgagttggac cttgaagaga agttaatcat aattactgga 360
 gataatgcc a gtaacaacaa gacaatggct tcagagctat actatacttt aaagggaaat 420
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 tatacttga acttggttgt gaaggacatt cttcgagcac tgaaatctgg cagtagtgag 540
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<210> 23974
 <211> 445
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23974

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 caccagctaa gccaggaaaa gggctcgatc agactcacia gcgtgcaagc acggctgacg 180
 caatgctact acctcctctc ccagtcgcgc ataaatcact gctggagttt gttcgggaca 240
 gtctcacatc tcgcgctcgc tatcgggttg aatcgagaga ggaaggccga tccctctata 300
 aatggggggcg ggatgagtgt tatcgaggcc gaggcgccg gccgcacatt ctggtgcgcg 360
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<210> 23975

<211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23975

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<210> 23976
 <211> 746
 <212> DNA
 <213> Aspergillus nidulans

<400> 23976

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gctggatgtg gcattggcca cgttgctttt caattagcga gcaagcatgg ccttagagtt 180
gaggggtattg gcattgtcga gcatcaccta ctcaaagcaa ggcgaaatac ctctcgatca 240
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ggccggcatc tacactatgg aaaatttcgt agcaacggag cctgaggctg tcctagcagg 360
 gacttcccggt accctaaaac caggaggctcg tctatcattg tttgagtatg accatgagct 420
 ggacgaaaaa accaagatgt gatgggacag tctatgcgca agatcagcgg attcgctacg 480
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 ttcacgaatg tgactgcaca gcattattcg gacaatacca agcctatgac atgactgttt 600
 cacctgattg cctacattcc tcacettatc gtcacgttcc tcggcttgga caaatacttt 660
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 <213> *Aspergillus nidulans*

<400> 23977
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 catgagaatc cggagaaagt gacccgggta gtcgaccttt gcgccgcgcc cggtagttgg 180
 agtcagggtgc tcagccgagt actgatcaaa ggcgagagct ttggccgccg gtcttgggtc 240
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 aaccagggcg cagacattac agactcaact gcattgaagc cgcggaagaa cgtcaaaatt 360
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 ctttattccg cactcaacct agccctaggt gtcctccgac caggaggcaa gttcggtgcc 660
 aagatcttcc gtgaccgca cgtagatctc ctctattccc agctccggac tgtcttcgag 720
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<210> 23978

<211> 763
 <212> DNA
 <213> Aspergillus nidulans

<400> 23978

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cagggaaata ttagcacgct tccttgccacc cctgtggca gacttcccat tagtgacggc 180
ttctaatatg tattacagac aactcatacg tttctagcat ggctacagag ctaggcttcc 240
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taccattcat gtatcttttc cctgggtgc caatgcacta cctcgttccg gcattagacc 360
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tgttctcggc tcctgggtaca agaataatga gatcggtcgt cgagggtggcg cattctacat 600
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cgacaggcgt tcacggactt cgccggtgtc gatggctttt catcggaaca cagttattac 720
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<210> 23979
 <211> 759
 <212> DNA
 <213> Aspergillus nidulans

<400> 23979

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tgacagagaag gacagattga cgggaccggc tttccaactg ccgtctgggc tggatcctac 180
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gttcgttgag gttcagagtc gtgcagagta cggtgcagtg agccacgccc tatgcgctac 300
gattcgaaaa ttattaaagg actatctgat cctcgttgcc cagctcgaga cacaacttct 360
caacaaccgg aatttcaccc tccatgtact ccatcttcat accatgccca ccagccaatg 420
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 agaaggagga gatcttattc ctggagcaat gtctagcaaa aaaatatgta aaggaggcaa 600
 tgtactacgc ttactgaccg agcgactggc aactttctcc ggcgatccga cgacaaaagc 660
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<210> 23980
 <211> 334
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23980

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 ccctaatact cccttggcag acttctcttg gttcgggccg cgggtgggacg tcgcttcgaa 180
 cacctttcga ctcccatact tccaccgcaa ttctgcaacc gagttcctgg cgtctatata 240
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 tcacacgccg catggaatt tcagcaaaga gtat 334

<210> 23981
 <211> 702
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 23981

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 agtgtacttc aagctggacg ctgacgggtc actcgctgag tatgatgaac gacgccaat 180
 gtctggaact gtaacgtgtc tcagtctggg caaggtacca gaagtgcgcg tccgaagctc 240
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aggcgtctat cttcgaacgg cgcttgacga agtgaccggc gaattatccg acacacgcac 480
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<210> 23982
<211> 597
<212> DNA
<213> *Aspergillus nidulans*

<400> 23982
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taatgcaaag caccagagtt tactatgaac acaatagca tcgatccatg aatggacagg 180
ctgatgcact tccgattgtt cttcgatgtg agcacatcca taacgatcta cttgtggcga 240
cagacctaga gctcgccgac catctacaag cgctcgaaat tttgccgcag atcttttta 300
cgtgagtctt actcttatca tctcatggcg aatacgcttg ttgactcgcc gtttaagtcg 360
atggatgcgt cttctgtttg ggcgcgagtt tcccttccaa gacatgcttg cgatttggga 420
tcttctcttc gccgaagggc tccgatccga gctgattgac ttcgtgtgtg tggctatgct 480
actccgagtc cgttgggagt gtaagtctc ctgcatctct tccagacctt aaaactcata 540
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<210> 23983
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23983
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ctccaatcac ccagagagtc agatctacaa ggacgcggtg taccttcaaa tggaggcaag 180
aaggcttgca gatctagaga agaaaaaacc ggacagcgat tatctaattg aagacggccg 240

tctaccgctt ccggatggca ttcttcataa gggcgagttg tggaagggtg gggactgggt 300
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accagtcgg atcaagcatc tgctcaaaag tgatgcaaaa gagacagacg acctaccaa 780
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cgatgaaaat 850

<210> 23984
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 23984

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gatgaagtgg cgtctcgtct gcatgccgga tggtagcgcg agggagatgc tccagaagag 480
gaaccggaat tcgcactctg cctttggaat gatgagaagc acacgatgca agacgtcact 540
aaccaagtga gccgagcctg ccgggaaagg actagctatg ggaaggcgaa agcccacgaa 600
acgaacgata ttgggagaag cgttgtcaaa tatgggaaag acctcaaaac actgttaggg 660
gtgtcgaaga tcattgaaca aatcaagatc accactacaa tccgatcctc ccgcgacacg 720

ttccgtgagc agatgtgCGG aactattgTT gaatggctgg cggatatCGc cgggtgtagt 780
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agacgcggca 850

<210> 23985
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23985

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ccggttcgac tccaaggaa gctagtaccC agtacCGGaa agttgTTggg cttccagcca 180
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gaaagattcc cacttggcaa aatgcgggag cttgtggatt accttcatga ccataatcag 480
cattatattg tcatggttga tcccGCCgta agcagagTg gtaagcctcc atgaggatta 540
cccggaaacc atcattgaca tgtgttagac aaccCGggct atcggagggg agttgagcag 600
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cggtcagtgt ttattgacat aaagagagag ctaactcatg tccaggTgct gtgtggcctg 720
gtgtaactgt ctaccctgat tggttccatc cagccattca agactattgg aacggggagt 780
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acgaggccgc 850

<210> 23986
<211> 598
<212> DNA
<213> *Aspergillus nidulans*

<400> 23986

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 ctgatggagc gccagctttt attcctgctg gactgggaca cccgcgtcac tgaagcagac 540
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<210> 23987
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23987

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 ggaaggctgt tctttagggg cgcattcgtg ctttgtatgc tacatatcca tctttaatgt 180
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<210> 23988
 <211> 664
 <212> DNA
 <213> Aspergillus nidulans

<400> 23988

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 gttttcaatg ctgctggaaa ctgtagctaa ccccttgccc ctttaagggtg cttttcggcg 180
 ctgggtgatgc tttagcgcag caggcagttg agcgagagg cctcgagaag catgatttcg 240
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 gtctttggac cggtcgccac gctttgggtt cggtttttgc agcgcaacat cgctttaaat 420
 aatccgaaag caacaattat tgctcgtgta gcggctgatc aatgtctctt tgcgccggct 480
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 tggaagcaga gtttcgtccc aggtacaaa gctaactctg cggtttggcc tttagtccag 600
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 ttgg 664

<210> 23989
 <211> 561
 <212> DNA
 <213> Aspergillus nidulans

<400> 23989

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<210> 23990
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23990

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 cggagggcat cgttctgggt aagaacgtcg gtggcgtctt gcctctgtct cgttcaccta 180
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 ccgtcattgt tgaaccctgg attgacctcc ccggagtcca agccgtactc ttcgcccacc 660
 ttcttgaga agaaagcggc aacgcccttc tggacgtcct attcggtgat gttgacgcca 720
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<210> 23991
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23991

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 tgtatcaagc gagactacaa gcagcgaaag aacggatgga aaggatagag gagcttcgag 180
 ctaagggtat tgtcattgag acagccgtg agcgcgctgc atttgaagac gaggtagaga 240
 atcttggtga gaaagcaaga caggaaggtg aggcaattgc aaaacaggaa cgagcggcag 300
 ctaaaaaggc gaacgggtgag gatgaggacg atgaggagga tattgatttt gaactatctg 360
 gatcggagga tgagggtgag ggtgacgcag acccggaggg agaagggaac gaagaagacg 420
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 atacggagga taaggccgag 500

<210> 23992
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23992
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 tgacccctt cgatcacaca gccgatacca tcgacatcga atctttcaag aaatactgag 120
 cctacttata atcccatcta actggcctcg tatactcggc acaaacgccg aagcattcct 180
 gctcaccgc gacaaacgat tcgaggccat aaaggccgcc cggaagccg tcggccccgg 240
 gtatcccatt atggcaggcg ttggtgcaca ctcaaaaag caagtccttg aacttgcgaa 300
 tgacgttca gaagcagggg cgaattacct cttggtccta ccgccagcat attttgcaa 360
 gcgacaactc ctgcagtggg taagagggtc ttgcgagata ttgcggcaaa ggcactgcac 420
 ccagttgtgg tctacaactt tccaggtgcc acaaatgggg tggatattga ctcagaaaca 480
 attgctgata ttgtgagaac 500

<210> 23993
 <211> 687
 <212> DNA
 <213> Aspergillus nidulans

<400> 23993
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 23994

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 tcagccgcat ggtccgtatg caatcgagg gtactccttg ggatccacac tggcctttga 600
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<210> 23995
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 23995

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<210> 23996
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 23996

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<210> 23997
<211> 600
<212> DNA
<213> Aspergillus nidulans

<400> 23997

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<210> 23998
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 23998

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<210> 23999
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 23999

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<210> 24000
 <211> 609
 <212> DNA
 <213> Aspergillus nidulans

<400> 24000

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<210> 24001
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 24001

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<210> 24002
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 24002

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<211> 376
<212> DNA
<213> Aspergillus nidulans
<400> 24003

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<211> 473
<212> DNA
<213> Aspergillus nidulans
<400> 24004

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<210> 24005
<211> 380
<212> DNA

<213> Aspergillus nidulans

<400> 24005

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<210> 24006

<211> 850

<212> DNA

<213> Aspergillus nidulans

<400> 24006

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<210> 24007
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<212> DNA
<213> Aspergillus nidulans

<400> 24007

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<210> 24008
<211> 567
<212> DNA
<213> Aspergillus nidulans

<400> 24008

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<210> 24009
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 24009

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<210> 24010
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 24010

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 24012
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<210> 24013
<211> 802
<212> DNA
<213> *Aspergillus nidulans*

<400> 24013

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gaagatagtg atggctcctgg gtcaaggctc cgaaaagctc gggttcatttc gcagcctgga 720
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<210> 24014
<211> 683
<212> DNA
<213> Aspergillus nidulans
<400> 24014

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<210> 24015
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 24015

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<210> 24016
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

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<210> 24017
<211> 660
<212> DNA
<213> *Aspergillus nidulans*

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acgcgcgatc gataggaatt gtttcggcgc cgctatggga ctccaagtgc tccaccttcg 240
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<210> 24018
 <211> 594
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 24018

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 gttattgagg ctggacgata ccaatgggtg gaggaacgcg gccttttcaa gcctgagttc 180
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 cgctggcagc ggatgaaggg caagactacc ctgtggctgc ccggaatgga tcacgccggg 360
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 aatatcngta atgctttgcg aagagtcnga ggctcttttg attggactcg cgaggctttt 540
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<210> 24019
 <211> 787
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24019

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 aaaaaatatg gttctactgt tcgaatagca ccaaagaaa tttcgtttgc gagtttggag 240
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 tccattgcta cgcactcgac ggggtcacga acttcatgtt cagtccctggg ggctgcact 720
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<210> 24020
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 24020

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 cttctgtacc tgcgcgtgtt tgcgtcagcc cggcgaggca tgacatatct atccattcac 240
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 tgtattccgc gtgctaaaat ctgggactcg aatacttcag gtcactgtat caatattaac 360
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<210> 24021
 <211> 670
 <212> DNA
 <213> Aspergillus nidulans

<400> 24021

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ggactatgct atgtccctt tggtctcggc gcgaccgtag catcaatagc aacaggaaag 180
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<210> 24022
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 24022

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<210> 24023
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 24023

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cctagaggga ggaaaggtaa gcagcgggct gcagagcgta cgcaaggagg ggtgggtcagt 780
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<210> 24024
<211> 544
<212> DNA
<213> Aspergillus nidulans

<400> 24024

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cgatccttac tctttactca aatcattcag caagaacatc gccgcaaccc ccagtttggg 180

gctatgattc tgtctctttg tgccttctcc ttgacacaac cgatagatat cagtgaacga 240
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 gcaatcgatc tagcctcgac actgggcctg aataatccag ccacttacgc ggattgctca 480
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<210> 24025
 <211> 805
 <212> DNA
 <213> Aspergillus nidulans

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 ctggagttac ggcatcacct gcatcaacag ctgcatacct cattcattca ggactatgga 720
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<210> 24026
 <211> 500

<212> DNA
<213> Aspergillus nidulans

<400> 24026

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cctacgttct ctatgcattc gacaatttgc gacggaaccg gcgaaagtct acctttctga  240
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cgtcgacggt tgtatcaagc agttctatct tttgaagcaa cggaatcata acctggaggt  360
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<210> 24027
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<212> DNA
<213> Aspergillus nidulans

<400> 24027

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tcgatgtcgg aatcctcgaa cgacatccct atacctcgca gacattctcc ccgcttggtc  180
taagctcgga tgacaaaagc gcgtactacc tagtcatcgt ggcgccaaca ctacttggcc  240
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tgagtaaact cagggcattt gtggcgagtg gggagcacgc cgttacgtat gggcctggga  360
cctggcatgc gccaatggta gttgtgggtg aatgtaaggt ggattttgtg gtcacgcagt  420
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<210> 24028
<211> 522
<212> DNA
<213> Aspergillus nidulans

<400> 24028

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<210> 24029

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 24029

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<210> 24030
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 24030

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aaaagccgtt aaattgccag accacggcgg atgaatttct cgtgcccggg ccaccgcacc 240
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<210> 24031
<211> 752
<212> DNA
<213> Aspergillus nidulans

<400> 24031

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<212> DNA
<213> *Aspergillus nidulans*

<400> 24032

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<210> 24033
<211> 544
<212> DNA
<213> *Aspergillus nidulans*

<400> 24033

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<210> 24034
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24034
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<210> 24035
 <211> 285
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24035
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<210> 24036
<211> 3758
<212> DNA
<213> *Aspergillus nidulans*

<400> 24036

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<210> 24037
 <211> 720
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24037

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<210> 24038
 <211> 633
 <212> DNA
 <213> Aspergillus nidulans

<400> 24038

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<210> 24039
 <211> 321
 <212> DNA
 <213> Aspergillus nidulans

<400> 24039

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cggtactgtg cgtgtatggg agcgatctgg aatcttctga cagctgggat gatctggtgg 180
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<210> 24040
 <211> 621
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24040

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<210> 24041
 <211> 870
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24041

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<210> 24042
<211> 420
<212> DNA
<213> *Aspergillus nidulans*

<400> 24042

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<210> 24043
<211> 502
<212> DNA
<213> *Aspergillus nidulans*

<400> 24043

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<210> 24044
<211> 408
<212> DNA
<213> Aspergillus nidulans

<400> 24044

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<210> 24045
<211> 2326
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 24045

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<212> DNA
<213> *Aspergillus nidulans*

<400> 24046

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<400> 24047

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<210> 24048
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24048

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24049

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 <211> 1023
 <212> DNA
 <213> Aspergillus nidulans

<400> 24050

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<210> 24051

<211> 539

<212> DNA

<213> *Aspergillus nidulans*

<400> 24051

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<210> 24052
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<213> *Aspergillus nidulans*

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207

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<211> 1435
<212> DNA
<213> Aspergillus nidulans

<400> 24054

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<212> DNA
<213> Aspergillus nidulans
<400> 24055

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<212> DNA
<213> Aspergillus nidulans
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<210> 24057
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24057

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 <212> DNA
 <213> Aspergillus nidulans

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<210> 24059
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 <212> DNA
 <213> Aspergillus nidulans

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<210> 24060
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 <212> DNA
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<210> 24061
<211> 362
<212> DNA
<213> *Aspergillus nidulans*

<400> 24061

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<212> DNA
<213> *Aspergillus nidulans*

<400> 24062

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 <213> *Aspergillus nidulans*

<400> 24063

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 <213> *Aspergillus nidulans*

<400> 24064

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<210> 24065

<211> 2652
<212> DNA
<213> Aspergillus nidulans

<400> 24065

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 <213> *Aspergillus nidulans*
 <400> 24066

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<210> 24068
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 <212> DNA
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 <400> 24068

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 <212> DNA
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 <213> *Aspergillus nidulans*
 <400> 24070

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<210> 24071
<211> 654
<212> DNA
<213> Aspergillus nidulans
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<212> DNA
<213> Aspergillus nidulans
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<210> 24073
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24073

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24074

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<213> Aspergillus nidulans

<400> 24075

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<210> 24076
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<212> DNA
<213> Aspergillus nidulans

<400> 24076

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<210> 24077
<211> 664
<212> DNA
<213> Aspergillus nidulans

<400> 24077

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<210> 24078
 <211> 1356
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24078
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<210> 24079
 <211> 426
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24079
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<210> 24080
 <211> 531
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24080
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<210> 24081
<211> 1808
<212> DNA
<213> *Aspergillus nidulans*

<400> 24081

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<210> 24082
 <211> 288
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24082
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 atcctgtcgt tgtccgggag tgcggggcta tcgctattca tgtgggttgc tggcactttg 180
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<210> 24083
 <211> 336
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24083

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gatagctatt actacatgga ctgccgccg gataactacg gatggagtac gacagtgacc 180
gacaatggct tcgtctcccc cgatgccttt ggtaccgacg acatcacctg ccacaggggc 240
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<210> 24084
<211> 404
<212> DNA
<213> Aspergillus nidulans

<400> 24084

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<210> 24085
<211> 336
<212> DNA
<213> Aspergillus nidulans

<400> 24085

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<210> 24086
 <211> 1313
 <212> DNA
 <213> Aspergillus nidulans

<400> 24086

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atggtcaaga ggatggggat gccacaaca gccatgttga agagcgggac ggagctgaaa 1260
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<210> 24087

<211> 201
 <212> DNA
 <213> Aspergillus nidulans

<400> 24087

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<210> 24088
 <211> 921
 <212> DNA
 <213> Aspergillus nidulans

<400> 24088

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 <213> Aspergillus nidulans

<400> 24089

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<210> 24090
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24090

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<210> 24091
<211> 374
<212> DNA
<213> Aspergillus nidulans

<400> 24091

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<210> 24092
<211> 442
<212> DNA
<213> Aspergillus nidulans

<400> 24092

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<210> 24093
<211> 1567
<212> DNA
<213> Aspergillus nidulans

<400> 24093

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<211> 449
<212> DNA
<213> Aspergillus nidulans

<400> 24094

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<210> 24095
<211> 1168
<212> DNA
<213> Aspergillus nidulans

<400> 24095

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<210> 24096
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 <212> DNA
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<400> 24096

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<212> DNA
<213> Aspergillus nidulans
<400> 24097

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24098

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<210> 24099
<211> 654
<212> DNA
<213> Aspergillus nidulans
<400> 24099

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<210> 24100
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<213> Aspergillus nidulans
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 24101

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<210> 24102
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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

<400> 24103

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<212> DNA
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<400> 24104

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attctgctca actatgttcg gataatggtc gaggtgtaca acagcaatgg caactggagg 2760
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<210> 24108
<211> 1638
<212> DNA
<213> *Aspergillus nidulans*

<400> 24108

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agtggaaacg gaagtcccg gtcgggaacg aaggggctag gacttggaag cctggggagt 1560

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<210> 24109
<211> 285
<212> DNA
<213> Aspergillus nidulans

<400> 24109

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ggccctgtca tgtccaatgt ccacagcccc ggcgacaga tgtcgtgat gggccccgccg 180
cagtccggac ttctgccggg cttcaatagc gggttggtgg ctagcatgca gcagatgtac 240
ggcggcatcc gccgcacgcg atgcacggaa tgggcgtggg tgtag 285

<210> 24110
<211> 624
<212> DNA
<213> Aspergillus nidulans

<400> 24110

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gggtaccgct actacgctgt gacttattcg ccccttgaag atggatgttt caagttctgg 540
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ttgaggcctt tggatcctga ttag 624

<210> 24111

<211> 786
 <212> DNA
 <213> Aspergillus nidulans

<400> 24111

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atggaatact gtgcttttagg cgatttgtca cagttcatca aacgaaggga cagtctcaaa 180
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gttgaattgc ttcgaaagat cgagactgca agagaccgaa tcaagtttcc agaagagaat 720
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cgaatg 786
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<210> 24112
 <211> 279
 <212> DNA
 <213> Aspergillus nidulans

<400> 24112

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gtcgaagaca ccaaaaaaaaa ggccaatgcg ataagcaagg aagctgcgcg ggaatttgag 180
attgccagtc aaaaagcgca gtccaagact ggaaagatcg agccttggtc cgcaagtac 240
tatgcggcct gtacttttgg tggcctgttg gcttgtgta 279
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<210> 24113

<211> 773
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 24113

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taccagacca tcattgatca gccggctttc aaggccgttg ttgagaaccc tgttttcatt 120
gacgaggcca tcaagtccac tcctcccaag aaggaggaga agcccaagaa ggaggctgct 180
cctgctgccg ccgctcctgc tgctgaggag gacaagcctg ctentaagcc taagcacccc 240
cttgaggctc ttggcaagcc cactctcatc cttgatgact ggaagcgcac atactccaac 300
gaggataccc gctctgttgc tatgccctgg ttctggcaga actataagcc cgaggagtac 360
tcactctgga aagtgaacta caagtatgac aacgagctca agctcacctt catggccaac 420
aacctgatcg gtaagtatta tcctgctttg gacgtgtctt cgtacagttt ctaaataaat 480
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accacaccaa cgaggctgat cgcaagtatg ttgaggacat ctgggcctgg gacaccctg 720
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<210> 24114
 <211> 299
 <212> DNA
 <213> Aspergillus nidulans

<400> 24114

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agcttgccga tcagagtgcc acccttcccg ccgaagggtt cgatgctagc ggcaaaggaa 180
agtctactaa tagtggatg ctttccctcc tgagccgcaa gaaggacgt gacaggagtc 240
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<210> 24115
 <211> 615

<212> DNA
 <213> Aspergillus nidulans

<400> 24115

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ttccaccgga ctgcgcgttg gggcgacacc aaatgcaaag gcgacgactc tccatacctc 180
gacggaaacc cagcgattga cgggccgcta tttgtgcagt tctgcgcaa tgatcctgat 240
gactttttta acgccgcgcg ccatgtggca cttattgcg acgccgttga tttgaacctg 300
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gacttaatct acaaattgat caacaagctt catatggaac tcgaagcccc tgttacggcg 420
aagtttagaa tccaagaatc gaaggagaag actttggagt atgccaagat gatactctcc 480
gctggcgcaa gactaatcac cctccatgga cggacaagag agcaaaaggg tcataatacc 540
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atctttgcga atggg 615

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<210> 24116
 <211> 1124
 <212> DNA
 <213> Aspergillus nidulans

<400> 24116

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cgtcttctac cgttcgacca acttcttcag ctccaatttc ttcaactcca acgtcgacct 180
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atgtgactgt aacctcgagc tctaccgcag gtctcatcga gaccatccca gctgtagtcg 300
tcaatgcagc tactagcact actagcgagt ctgcaacttc aacctcagct ctgtccatct 360
cggagactgc tccaactcaa gtagccgtcg cccggcccag cactacgacc gcagccgaga 420
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cgactggcga agcaaccttt tacggcggca acctctccgg cggcacctgc tcgttcaagg 540
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cagccgaatg cggcgctgt attgctgtca ccggggccaaa cggaataaca gtcaaggtta 660
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 acaaatgtcc cgaatgcgcc caaaccacc ttgacctctt cgaatcagcc ttcactaccc 780
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 ggcaagagac cacgaggagc gattacaact tctttgagaa cagcagtggg tttggaaccg 1020
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<210> 24117
 <211> 931
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24117

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 tctctattc ccgatatcct ttgccgacga gatgcaaaac cccggtcaaa tagaggatat 180
 gccagtccg tctgtccca aatcacgcgt atcaaaagcg agttcgccac cggacgagag 240
 tcccggatc ggacggagct ccagtttgaa tacgctggcg gggatgttgc agccttcggc 300
 acctccacgg tccgcgtcga aagatcgatc aaggctccctg acgccggagc aatcggagtc 360
 cgagacgccc agaagatcag tgtcaaggga gcgtggcagg tacgcttctc cgatgggata 420
 gccaagggtg tcttccgaaa tgccctcgcg cgaggcacia ccgcaacagg ctgttgacga 480
 tgaacagaaa cctctaccac ctctgcctaa gcagccttca acccaactca gacctcatat 540
 cctctcgcgcg acccgcgcg agttcctatt agtcagaggc tctgatgaat cggaaccagg 600
 cgttggatat tttgtcaacg tagatgggtg tgttggtcgt ggcacgatta cttttcataa 660
 atatcccaaa tcgattgtca ttgacaaggg ggacgaaaca agtataatcc cttcaccgga 720
 aaacacgaaa aatgactatg ttattgctgt catagaatat gacgaagacg gccaaacaag 780
 aaaatTTTTG gaggtacagc cttgggatgt tgaccagca gaagccgagg attacaagag 840

ttgggtagag ataccctcaa tacaagctga ccgacaaaa catgtcggaa tcagccacac 900
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<210> 24118
<211> 815
<212> DNA
<213> Aspergillus nidulans

<400> 24118

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gccatcgacg gtcaagtaga gggctttcct gagaaccgag cctaccagat cacagccaat 180
gtcgccgagg aggagacttg gaagagagcg gtaactggcc ttgacctgtg tggttgtgca 240
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tcgtccatca caatgctggc tggccgtacc cgaacaaatc tggcttagat gtgacagttg 360
aagaatttga ccgtctgttt aatgtcaacg tgcgcagtat ctacctggcc tcgaaagtcc 420
tcgtgccgga aatgaagaag aatgggtccc ggctcgacgat tgtaatctcg agcgagaacg 480
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caccggagat tatcaaggcc aagtgcgagg caatccctat aggacgactt gttgagccgt 720
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<210> 24119
<211> 423
<212> DNA
<213> Aspergillus nidulans

<400> 24119

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tatgcccggac agggtcagcc gtctctcgcc tttgcccagc ataattacac cgatcttccg 180

cggagtacga aagatatggg ctttaccggt gaagtcatga cgggcactgg gaacacgtta 240
 ccagcccagg ctgagaacgc aggtaatgaa attggcgcca attggccagg tgctaaaggc 300
 cagacaagaa gtttaaagag gtcgaataag aacagggggg gttttgacat tcaggccgga 360
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 taa 423

<210> 24120
 <211> 1604
 <212> DNA
 <213> Aspergillus nidulans

<400> 24120

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<210> 24121
 <211> 1536
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24121
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 cgatcttcaa cttcaaatac gtaccctggg ttacgcgcac cacgaagcta gggacccgca 1380
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 tagagaaact gttgcgtgtc tgactccagt tcgtaa 1536

<210> 24122
 <211> 552
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24122
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<210> 24123
 <211> 345
 <212> DNA
 <213> Aspergillus nidulans

<400> 24123

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 ggtgctagcg acaaggagaa tgtcgatctc caaggtgcat tggacaacct gaagggggat 180
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 ggagaagaaa ggctcaaacg agaatgcgaa agactagtcg ggcagttcga gagagaaggg 300
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<210> 24124
 <211> 400
 <212> DNA
 <213> Aspergillus nidulans

<400> 24124

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 gagcttctcg gccgatctga tggactttat caattacctc gtggagaacc aaggcctgtc 300
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 caccttgact gtttcctctt actcagtctc tgtctcataa 400

<210> 24125
 <211> 349
 <212> DNA
 <213> Aspergillus nidulans

<400> 24125

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 gcctgaacca gagttccagt tgtatactga agcatcggcc aatacacctt ttgctggaaa 180

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<210> 24126
<211> 378
<212> DNA
<213> *Aspergillus nidulans*

<400> 24126

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tacgaacggg caatgggtgc gatgttcctt cgacccctgc ctaacgaagg gttggagtta 180
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accggagctg gacaaccga attcgtgggt ctcggtgaca actgtcgtg gaagggccat 300
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attgcgaatg ttgtatag 378

<210> 24127
<211> 476
<212> DNA
<213> *Aspergillus nidulans*

<400> 24127

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<210> 24128
 <211> 886
 <212> DNA
 <213> Aspergillus nidulans

<400> 24128

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gtggtcgtac acatcggcgg tggtccttac catggacact acgtttcgat catcaagacc  180
caggatagag gttggctgct tttcgatgat gaaatggtag agccggtgga taagaactat  240
gtacgcaact tctttggtga caaaccaggg ctagcctgtg cgtatgtgct tttctaccag  300
gagacaacca tggaggccgt gatgaaggag caggagcagg agaacacgga gccgcctggt  360
gaagtaaata cgtctactct gaagcaaac gggttttcct cttcggcaac acttgccac  420
gccacagcg catcccaggt cccgacatat gaggaccatg accgtttcac gggcttgaaa  480
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gcagctctcg aggcaagcaa agtgtcaaaa gaagatgaag atcgacgcaa tcacgccgag  840
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<210> 24129
 <211> 574
 <212> DNA
 <213> Aspergillus nidulans

<400> 24129

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tatgtttttt ctttcgttat gtgtttgaag ccgtttcttt tttttttttt cttgtgttat  180
cctcataagg aacttgacag ttctggtaca ccgcttgctt ttgttcaagg cactaaacga  240
tattcattca caggttattt gtgaaaaggc cgagaagtca tatattgctc ccatcgacaa  300
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 aacggctgca ctaatgcgta gcatttatga agagcacaag gacgaagacg ggttccttta 480
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<210> 24130
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24130

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<210> 24131
 <211> 1425

<212> DNA
 <213> Aspergillus nidulans
 <400> 24131

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<210> 24132
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24132

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<210> 24133
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24133

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<210> 24134

<211> 689

<212> DNA

<213> *Aspergillus nidulans*

<400> 24134

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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24135

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<210> 24136
 <211> 585

<212> DNA
 <213> *Aspergillus nidulans*
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<210> 24138
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 <213> *Aspergillus nidulans*
 <400> 24138
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 <400> 24139

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748

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<212> DNA
<213> Aspergillus nidulans

<400> 24140

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<210> 24141
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<212> DNA
<213> Aspergillus nidulans

<400> 24141

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 <213> *Aspergillus nidulans*
 <400> 24142

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<210> 24143
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24143

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 <213> Aspergillus nidulans

<400> 24144

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24145

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<212> DNA
<213> Aspergillus nidulans

<400> 24146

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<213> Aspergillus nidulans

<400> 24147

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 <213> *Aspergillus nidulans*
 <400> 24148

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 <213> Aspergillus nidulans

<400> 24149

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<212> DNA
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<400> 24150

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<210> 24151
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<212> DNA
<213> Aspergillus nidulans

<400> 24151

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<210> 24152
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<212> DNA
<213> Aspergillus nidulans

<400> 24152

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<210> 24153
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24153

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1225

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<211> 780
<212> DNA
<213> Aspergillus nidulans

<400> 24154

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gacaccggtg accggatacc tategtcgcg cacgaactga cagtgtcggc taccgagtct 720
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<210> 24155
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<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 24155

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<210> 24156
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24156
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 gccagccctg cgctccaaa ataccgtgag tccaagaact tgacttcctt attcgagtta 180
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<210> 24157
 <211> 969
 <212> DNA
 <213> *Aspergillus nidulans*

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 cggggctgtg cgtgcggcac caaccgcaca ggctattctc tctatttctc agtccaagtc 540
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 cgagccgaga aacatggaac ccatgtatct gttagcagac aagagccgc tgaggatggt 900
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<210> 24158
 <211> 927
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24158

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 aacacggctg tcaactcgag aggctgcgca ggtgaggcca acaaggtgcg gttccccatt 780
 gggttcccg cgtacgaccc caaggcaca cagaggctct ttgacgtttt cgcaaaccgc 840
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<210> 24159
 <211> 745
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24159
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 gttgtgcgac gcgaggcagt atggtcgggt catctctcag ttctgcaat ggctacgtcg 240
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 caaccaagct gctatggacg gcgaacttgc ccgaaaaatt cggcgcacag agaatgaggg 420
 gatcaagatt gtgactataa accaggggtga aatgggtgtct gaaagtgtcc gagaggcgat 480
 agacaagcga attgaagact ggaaagccaa ccgcaaggga acccaagtgc atctttcaga 540
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 aacaatctgt gcctttgtca ccttggctct gatctcgccc acgtacggca tgcaggtcaa 660
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<210> 24160
 <211> 1005
 <212> DNA

<213> Aspergillus nidulans

<400> 24160

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<210> 24161

<211> 501

<212> DNA

<213> Aspergillus nidulans

<400> 24161

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<210> 24162
<211> 1944
<212> DNA
<213> Aspergillus nidulans
<400> 24162

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 cacgatatgc tgcctgaggc atga 1944

<210> 24163
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24163

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 <213> *Aspergillus nidulans*

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 cctcggctcc agttcggact catggtcggt attggagggg gagtcccag cgaaagcaat 300
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<210> 24165
 <211> 450
 <212> DNA

<213> Aspergillus nidulans

<400> 24165

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<210> 24166

<211> 528

<212> DNA

<213> Aspergillus nidulans

<400> 24166

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<210> 24167

<211> 600

<212> DNA

<213> Aspergillus nidulans

<400> 24167

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<210> 24168
 <211> 757
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24168

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<210> 24169
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24169

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<211> 344
<212> DNA
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<210> 24171
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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

<400> 24172

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<210> 24173
<211> 596
<212> DNA
<213> Aspergillus nidulans

<400> 24173

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<210> 24174
 <211> 517
 <212> DNA
 <213> Aspergillus nidulans

<400> 24174

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<210> 24175
 <211> 750
 <212> DNA
 <213> Aspergillus nidulans

<400> 24175

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<211> 1265
<212> DNA
<213> *Aspergillus nidulans*

<400> 24176

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<210> 24177
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24177

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 <211> 1123
 <212> DNA
 <213> Aspergillus nidulans

<400> 24178

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<213> Aspergillus nidulans

<400> 24179

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<210> 24180
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 <213> Aspergillus nidulans

<400> 24180

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24181

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24182

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<210> 24184
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24184

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24185

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<210> 24186
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24186

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aggagggatc ccgacgatct gagtcgacgc attcaagaag tgcgactgaa cctggagggc 540
aggccacaga tttcaagcaa gtctgtaacg cggccgctga ccaatgtctc atctacgcc 600
acttaciaat atccaactgt tcctcggcag aaagcgcttg atgttccctc tgttccggtg 660
gatattccac agaccaaggc ccgcgagctc acctag 696

<210> 24187

<211> 852

<212> DNA

<213> *Aspergillus nidulans*

<400> 24187

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cgcctagact atgccaattc acgcctcgaa gcaattggcc atgcccggat cccaaccttc 180
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gagcggacag gcaacagagt gagagtaacc ttcaattacc gctacgcgcc tcacaacacc 420
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ctgcagtcca ggccccgagac agtgggtcgca atggg'gcgacc tcaagttcta cggaagggag 660
aatgcagaaa gacgtggtga gacaaagttc tactctcgtg cgtatgggag cgagaatgcg 720
aaggatgacc actttgcact gcatcttgac cgcaaccgc agctgaagtc aatgtacttg 780
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atcgtggata cg 852

<210> 24188
<211> 1905
<212> DNA
<213> Aspergillus nidulans
<400> 24188

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gcctaaagtg tctgagatgc atttcttccc gcccgtgat ttctttgatc tcgtcatgcg 780
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<210> 24189
 <211> 333
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24189
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 ctcggaatca gactagttga gcgatggggc cggcgtaaaa cgatgacttt tggcgcaacc 180
 ggacagtgcc tctgctatat tgtcatcgcc gccttaatcc ggcgtaacga gatgcctggt 240
 tatecgaacg cccagcaagt cgcgtcggcc tctgtagcat tcttttccct gtactacggt 300
 ttcttcggca tcgcatgca aggcaccccc tgg 333

<210> 24190
 <211> 440
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24190

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tgcaggatct tcttagccgg acagagcatt tcgaggatgat gactgtcggc cacaattcac 180
tggaaaacac gcgcaacaat gcggcctaca tgcttggaac acagctccgg ctgaagttag 240
ttgctgatga agattctgat ataccccgct cctacagaaa catcatgggt tctattcacg 300
ccattgcaac tttcaaggcc ctggatgatt tcctccatcc ccgaattgcc ctttccgaca 360
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tcagggatcc taagcttggg 440

<210> 24191

<211> 617

<212> DNA

<213> *Aspergillus nidulans*

<400> 24191

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gcagccctaa cgaccacctc aaattcaacc cactatacca tctccaactc ccgcttctca 120
gtcgcgcgtt caaaatccaa cggccatggt gtcgatgcaa atctcgacgg gcaagacctt 180
ctcggccccc tcagtggcaa cagcggaaaa ggtccctatc tcgactgctc ctgcacaccc 240
gagggcttct ggacccccgg tgccgaacca gcgctggtga acggcacaga ctcaaccgga 300
acaccctacg tgggagtgat tatgaccgac acctacgaga caactaacca gacactatct 360
caatatctat tcctccgcgg tgaagaaaca ggtctgcatg ccttctcacg agtaacatac 420
tataacgaga gtgattatTT cctccgcggc ctcggcgagc tccggacgct gttcagaccg 480
aatacaaatc tctggacaca tttttctggc agcgaaggga actacggccc tatgccgcta 540
tctagcacag agaagatcac cgtccaggac gcatcaactt accttggcga tacaactgac 600
gacccttacg tgtcgca 617

<210> 24192

<211> 1284

<212> DNA

<213> *Aspergillus nidulans*

<400> 24192

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tgcaggtaa cgacaggacg tttggtatgg aatctgcaat caatgcgtgc taaggattat 180
tctgactggc ttctaggtcc attgtcaacg aagccgctgc ggcttctct gtccagccta 240
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agctgactgg ataaggcatg ttgagtgtt tcatgggggt cattgagcaa ggcgatgagg 660
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ccggctggcg cgtcggctac ctgatcggac ccgagcactt gatcaagtac gttgocgggtg 1260
ctcacaccg catttgctac agca 1284

<210> 24193

<211> 231

<212> DNA

<213> *Aspergillus nidulans*

<400> 24193

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aagctttatg gcgctgtgca gcgtctttgg ctacaagaga aagagagcac cgaccttccc 120
acgggtccagg ccagcatact gatcgggtctt ctttgcgtgca cgtttggcat cgacaaactc 180
ggcaccagct atattatcca tggagcagaa ttgagcgoga ggtataatat t 231

<210> 24194
<211> 249
<212> DNA
<213> Aspergillus nidulans

<400> 24194

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aaggagatcc gctatgtgat tgactactac tctgggcccc cagagccgac cggagagcct 120
gttttctacc ttgacattcg gcctgctttg gattcgccca ccgcccgtgc cgaacgactg 180
ctgagatggg gatctgacgt ctggtatcgc gcaagcggag gcgctgtccg tgacaatgac 240
aaaaaataa 249

<210> 24195
<211> 913
<212> DNA
<213> Aspergillus nidulans

<400> 24195

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gcatggcagt ttgacgggtt gttgggtcac ggtcaacttt tgcctaggca ggatgggtgag 120
cattattacc gcgtcggcgt atcaacgtac aatgtgctga catcgcttag actcggactc 180
aaactcggat actacgaccg cagccgacag tgcgactacc ggcgcgaccc ccacggacga 240
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gtttgtctgg aattatacgt cgctatctat cacaccact gctgtcaatg ttgtcgcac 540
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<210> 24196
<211> 874
<212> DNA
<213> *Aspergillus nidulans*

<400> 24196

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ctccgccgcc aactcggga agcgcggcat gactccgct tctggggcgt tctgggacgt 780
taaccgcgat ggaatgtgga cgttcaagta ccccgccgcc gatgccaagg ggttggacgt 840
ggtcgtgagc gtgacatggt ttgcacttgg ctag 874

<210> 24197
<211> 327
<212> DNA

<213> Aspergillus nidulans

<400> 24197

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gtgccgggga tcacggattt cagtggcggt tggggcgagg gcgacggcgg cagtagcata 180
cggtagcgca gtgggcagga cgatgaggag atgatagcgc agtaccagga gggcgaggag 240
cagtggcggg atttcagcct agcgcagcta agaatccaag cgggtctgta cctgttggat 300
cgcgaggcca tatcgagtct ggattga 327

<210> 24198

<211> 696

<212> DNA

<213> Aspergillus nidulans

<400> 24198

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gcgcatgtca tgcgcgatca aaaggcgctc actgcacaga gcaggcgcaa tgcggaagcc 180
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aagacctcgg agtacctccg ggggtcaagga gaagggcctg gaatttggga ggatgaagag 420
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gctggccacg agtccagtga gaaaaccgag cctcagagcc agatttcgga ggaaaggact 600
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gcgcttttgg ccaagcttcc tgagctgcaa acaaaa 696

<210> 24199

<211> 1104

<212> DNA

<213> Aspergillus nidulans

<400> 24199

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<210> 24200

<211> 960

<212> DNA

<213> *Aspergillus nidulans*

<400> 24200

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gcaaatatgg ccagcatgca catgcaactt aagaaattgg gcgcgagcat tgaaagatat 180

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<210> 24201
 <211> 1616
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24201

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 aagaaggcca agaaggggaa gccgacaaac gacttcgtcg agggcgagga ccctattcaa 240
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 gatgatgtat tcgctgggaa gaagagcaag ccgatcaagg ctgcgcctcc gccaccagca 360
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 aaagagaggg aaaagcagcg aaagagggaa caggatgcc tttttttccc cgctagtagg 480
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cctccacgcc tgcccctgcc cctgcccctg agcctgagcc tgccgccggt ggcaagaaga 660
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 gatctcctat ttgttgattt cttgggcacg tcgacactgg taagactaag ctgctagata 1560
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<210> 24202
 <211> 440
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24202

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 gccattactc acatctattt cttccaggcc tctcacgtct cgaatatcga ggatatgact 240
 ctgcaggctc cgagttgat ggtgacaaga agaataaggt ctgtgccttt aaagaagttg 300
 ggaagggttg caagttgaaa caactcatcg aggaatccaa acctgatctt accaagacat 360

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<210> 24203
 <211> 407
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24203

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 cacaatcgcc aaagagttcg aaccggacgg caagaatggt gatggaaagg gacgcggccg 180
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 gggcgccgtg gtaagtgatg tttgtctaaa gttgtttcgc tcatgttcaa ctaataaaca 300
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<210> 24204
 <211> 906
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24204

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 aatcccaaca tgccgctcga acaagtcaaa caactaacca cggaacgact ccatcagtac 540
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 ccccaacctt cccagcaaaa ccgcatcggg gctggaggct cccctgctat gggcgtagct 780
 gtaccgcaac aaagccggag cgcgaccccg caaacacaac gcagtggcag cattcagact 840
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<210> 24205
 <211> 835
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24205

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 gcgagctgag ctgtgtgtct gttttccaca agtatgtgac caatacgatc tccttccaat 180
 ccgcaatgtc tctaatatgt cgaccttttt agggttgttt gtcacgcgat tcacttgtga 240
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 gcataaactg cttggcaaga ctaactgggt attcttggat ggcaaggaaac atgttgactt 360
 ccgcaagggc ttgaacaacc ttttcacccg tcaggcgctt tcttgcctatc ttctcgcgat 420
 ggaggagggt tacaatgact actacgcgcg ctctctcaa aagtctaaga acaacaacta 480
 taagccaacg ccgtggatgc ccgaattccg tgacctgatg tgcgccgtct cttgccgtac 540
 ctctgtaggc cactacattt ccgatgaggc cattgataag atttccgtcg actactaaa 600
 catcacgcgt gcgctggaat tgggtcaact cccgatcatc ctccctttca ccaagacctg 660
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 cagagctcgt atggctgcgg gcggagagat tagctgcatt atggacgctt ggatcaaggc 780
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<210> 24206
 <211> 354
 <212> DNA
 <213> Aspergillus nidulans

<400> 24206

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cgctccacat cgcgccgcca acaacgcgct ttagttcttg acctcttga gggactaaga 180
gggtgcagca ttgccgaaca aggcaaaata ttgggatcac gcgaagagcg ccgcaaggcg 240
cgcagtgtc tccaggaaag atatatgagc aatgaaatgg agggtaaca aaccacaag 300
gtcgatataa atgatgggcc tgatctttcc ggtgttgcgg acatgtttgg ttaa 354

<210> 24207

<211> 387

<212> DNA

<213> *Aspergillus nidulans*

<400> 24207

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acggtcgact tccgggcatg gaccaacttc ttcagtctcg acgcgattgt cgacattggg 180
ctgagcgaga aactcggctt cctagatcag ggacacgata tgtgcacggc cgaacgcaaa 240
gatggcacga cctaccgcgc ctccctccgc gacgccctgt accctaacgc ccgcaaacia 300
tctctcctcc tctggaacta cgactggtag ccgatcatca atcgctgggt gaacatcatt 360
ccttacttcg ccaagatgca gaaatcc 387

<210> 24208

<211> 321

<212> DNA

<213> *Aspergillus nidulans*

<400> 24208

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taccettaca gcaacgaccc ccctgcagtt gttggatggg ctgaggatgc taccgacctg 180
ggtttcgttg atggctccgg ctacacctct ggcgatatca tctgccacaa ggacgctacc 240
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tggcctgaat cccaccacgg t

321

<210> 24209
<211> 459
<212> DNA
<213> Aspergillus nidulans

<400> 24209

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tggtacgtatg atacggaaca atttgacttg atctacgtcc gcgagatgtt cggctcgata 180
cctgattggg atgcgtttct cggcaatgt tgggcctctc tacgaccagg tggctacata 240
gaagtgtgtg agcattcgat tacgcccata tgggacgtg ataccagcct gggacctatc 300
tacgcattat gggagcagac aatggcgcag gttgagcagg tatctggcag gagtttctcg 360
atctggcgtg aaagcgcaca ggtgctggag ggtagtggct tccaagatat taccaaaaga 420
tcttacaat ggcctattag cgggtgcgtc acctactga 459

<210> 24210
<211> 226
<212> DNA
<213> Aspergillus nidulans

<400> 24210

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agaatcgtag gcgtgtcatg ctggcttgca cccatcccc tatcaaaacc agaatcatgg 180
tacagctggt cccaatcctg gctcctctgg ttccggcagg ggctaa 226

<210> 24211
<211> 637
<212> DNA
<213> Aspergillus nidulans

<400> 24211

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acggtagaca agcttcgcgc gggcccaatc tcaatgccgc atgatcatga atggaacgca 180
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 ctgctcgatg tgctaatacct gctgcaggta tgttttgtca ccgactcacc tccatgagtt 420
 taagtcggcg gataggggttg catggcagac accagtaatg tcattatacc ttccagaaca 480
 gaaacttggg tgcatttcgc aaccggactc gacatcgac aagttcatgc tgaaaggacg 540
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 aatgataacc tggtagcagg atattgatgg aatgatc 637

<210> 24212
 <211> 705
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24212

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 gaccccgaaa cagccgagat ctacgcccgc atcgccgccc gccggcgccc tcgacccctc 180
 atccccctcg atctctccct gctgcactcc ccgcccgtcg cagacggctg gaacagcttc 240
 cttggtgccg ttcgtacgca gactgtagtc gaccagggcc tccttgaact cgctgtctcg 300
 agagtggccg tgatcacgca agccgtatac gagtggaatg cgcatgcccc gctagctttg 360
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 ggagatgtgg acgcggccgt aaaggctctc gggcagagtg cgttgacgcc gcagcagagg 480
 gcgattgtga ggtacgcgga cgaaatgacc cagacggtca aagtgaaga cgagacgttt 540
 gcgcagttgc agaaggaggg gttctcgat ccgagattg tggagttgac tacggggatt 600
 gcgtgctaca actgtgtgag ccgggtactg gttgccttgc acgtgggaga gaacaatgcg 660
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<210> 24213
 <211> 933

<212> DNA
 <213> Aspergillus nidulans

<400> 24213

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gtcgtctttc ttaaggagac cggatcaccg agtaccacac cagaacttga aagaatatac   180
cttcagaccg cgctaccaac agtggttatcc gaccatttac ttactgaagt accagaccat   240
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<210> 24214
 <211> 666
 <212> DNA
 <213> Aspergillus nidulans

<400> 24214

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atgtgcagcc ctagcattct tgagaaagag agcgaggctc tgctggcggt ctggttgcca   180
tccactgggc caaaagtagc aatagttcca gacttcgacg attacctatg gcactgggcg   240
agggaggaat tctactccca gaagctcttt cccggcagag atatccccc ggcaaagggc   300

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gccggcgatg atgctgccaa agtgtattgt gcctggaata ggacgtttgg caacacccca 360
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accgagacaa ccattaaagc gatggctgca atactcaggc gagcgcagct agaagcccaa 480
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tgttaa 666

<210> 24215
<211> 384
<212> DNA
<213> Aspergillus nidulans

<400> 24215
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aaaacggtag agtttccaga agaggacgag tcttatggcg aactagagat tccggtttctg 180
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caagttatct gacagctcca tagccggtgc ggtaaatgtt accctacttt acctggcagg 300
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<210> 24216
<211> 635
<212> DNA
<213> Aspergillus nidulans

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<210> 24217
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 24217

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<210> 24218
 <211> 528
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24218

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gttcagcaaa ccgaaccag gtcagaagca gaattcctgg gcctaagctt actaaagcag 180
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<210> 24219
<211> 675
<212> DNA
<213> Aspergillus nidulans

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<210> 24220
<211> 1011
<212> DNA
<213> Aspergillus nidulans

<400> 24220

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<210> 24221
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24221

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<210> 24222
 <211> 1610
 <212> DNA
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 <400> 24222

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<210> 24223
 <211> 594
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24223

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 gcgtcagggt tcggaggcgg cgtgaggaat ttacttgggc gctggcccca tgctgacgtt 540
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<210> 24224
 <211> 907
 <212> DNA
 <213> Aspergillus nidulans

<400> 24224

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tccgatggc ttcccgattc tcaaaaagcg aaagcgtgca ccgaaggcag caccgaaagc  180
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gatcggacct ggtatcgacg caaaaagcga agaagagggc acgggctccg atgattcttc  300
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agttgtaggc ttaagccca catccggtcc aataacgact gagccacaag tcatcccca  600
atccgcactt ccagtcagag ctgtggagga agagccacta cctctagaac tccaagtcac  660
aaagggcaac ccgtaccgga aagccttcag tgttcaagtc gaccgtcccg aacatattca  720
agaagcccg tcaaaactcc ccgttggttg cgaagagcaa aagatcatgg aagcaatcca  780
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<210> 24225
 <211> 566
 <212> DNA
 <213> Aspergillus nidulans

<400> 24225

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cgattgcaac ctcaacaagc tgcgccattt gcaaagtgtc cttcgccaac gtacaggaac  180
  
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agcgcgagca tgtgcgctcc gaccatcata aatacaacgt gcgagctcag cttagaggca 240
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 cgggggtccga gtcgtcggaa gaggaagacg gagatgctgg ggaccagctc tcagctttgc 360
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 ggggtgtcgg gaaacatccg ctattgtggg ttacgcatcc tgctctccca ccgaatacgt 480
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<210> 24226
 <211> 766
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24226

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 atttctcgtc acatcttccg gaaccttcgg tgggattatc ggagccgacc gtcctcccg 180
 cagcttctaa gctgcgcaa accagaaccg acaatggtac gaaaaccgcg aggagcgact 240
 gcgcgcccag gaacttcgcy gtatgagctt tagcgatcgc gccctcgctt gggctaggga 300
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 gcaggggtgct acgcttgccg ttcttatcgc cagtgtgca ttcgagattt ccgagaggag 480
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 gttgaagaac aagcaccagt cgctctatga aaagcatcag aatgacgccg gttctgaccc 660
 tgatgctggg tctacccgc ctcaacaaaa ggctgaggct gagaagctgc ctagtgagca 720
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<210> 24227
 <211> 442
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24227

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gaggatagcc ctcgtctcaa gaaggaagag cgcaaggcca agcatttgcc gttctggagg 180

aagtacattg agcttcagcg tgccatgttc ttccacaaca acgccctcac cagcagccac 240

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aagagtgaca cccgcgagca gatctacttc ctgggtaacc ctggtggatg gtggatctcc 360

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ggtgtcgatg ctgtcgaaga aa 442

<210> 24228

<211> 681

<212> DNA

<213> *Aspergillus nidulans*

<400> 24228

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cttgaagtcc gaaccaccca cccgggtcccc accgcatcag aaggccagct gctcgtgaag 120

aaccagatta ttggaatcaa ttatatcgac acctacttcc gcactggcct ctacccatcc 180

tccaagcctg aaatcctagg ccgggaggcc gtcggcgaag tcgtggccgt cgggtccgggt 240

gccaatcctt acaacttcca gattggcgat cgcgtggctt ggctatccac cggtcgtac 300

gcagagtaca ctgctgtccc gcaggcggtc gcagtcaagg ttcctgaggg gatatcgaat 360

gaggatgtca tgggttcctt tttgagcggg ctgacagtgt tgacgctcgc gaaggagacg 420

tatcccgctc agagagggga ttgggtgctg cttcatgctg ctgcagggtg tgctggattt 480

ctcatgacgc aggttctgaa gagcattggt gctattgtca ttgggacggc aggaggaccg 540

gagaagggtt agcttggttaa gagcttaggt gcggattatg tgattgatta tcgtagttaa 600

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gtctatgatt cagttggcaa g 681

<210> 24229

<211> 423

<212> DNA
<213> Aspergillus nidulans

<400> 24229

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gagctggaga aagtgcgcgc atcggccaaa aaggtgtcgt ccctatccag tacactcggc 180
gccggtcgta agctgcgata gacaacatgg ttcaactcgg gcgatgcagg gatgaccgcc 240
ctgtacatcg agcggtacct caactatggc gttacgaggg aggagctcat ggcgggcaag 300
ccaattattg gcatcgca ca gactgggtct gatatctcgc cgtgcaatcg ataccatatt 360
gagcttgcca agcgggtgcg agaggaatc agaacggccg gtggcatcgc gtttgaattc 420
ccc 423
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<210> 24230
<211> 1578
<212> DNA
<213> Aspergillus nidulans

<400> 24230

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gcgaaacggc aactgaacct agagttggta acttcgactt taatggcgcg cttcgaaatc 780
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 cgggatatgg gactctag 1578

<210> 24231
 <211> 469
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24231

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<210> 24232
 <211> 1082
 <212> DNA
 <213> Aspergillus nidulans

<400> 24232

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gaaagtcgac tggaaatggg tcgctagcta acaatgctca agagggcgtc atgtctggta  180
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aggcgctcgt gacggccgtc tacgaactcg gatgcctggc ggggtgccgtc tacgctctca  300
tgtttggtga tcgcatgggc cgacgttgga tgatcctgtc tggcgctgct gttatgatcc  360
ttggcgatgat catccaggtc acatccttcc caggccatat cccctgctg cagttcttca  420
tcggctcgtg catcacgggt attggcaacg gtatgaatac gtaagttgcg attcccagtt  480
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<210> 24233
 <211> 1703
 <212> DNA
 <213> Aspergillus nidulans

<400> 24233

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gcagaagggt aagtgaatta cccttgggcg tggactgcta ttggtgcggc gccggccacg 1620
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1703

<210> 24234
<211> 582
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 24234

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cctctcgca ctctcaacag ctgggtggca acattccctg atatcgatac cgtccacacc 180
acgggcgtgg agaagagcga aaactcgacc aagaagggtg ctgtcattgc cgccttccag 240
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<210> 24235
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<212> DNA
<213> Aspergillus nidulans

<400> 24235

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<210> 24236
 <211> 606
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24236

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 gaatga 606

<210> 24237
 <211> 564
 <212> DNA

<213> Aspergillus nidulans

<400> 24237

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acaggagggc tgaccggcaa gaaggcgctt aagtctttct ctggcattgc agaggatggt 480
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aggggtggct taaatgaccc atag 564

<210> 24238

<211> 474

<212> DNA

<213> Aspergillus nidulans

<400> 24238

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tcgtcggcga acgccatctg gaatctctgc tcgatgatgc tgcccaaagc tccggagtcc 180
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gccgctaata catgggactg ggctgagaag gacaatcagc tgaagaagct gcaggaggaa 420
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<210> 24239

<211> 426

<212> DNA

<213> Aspergillus nidulans

<400> 24239

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caccagggaa tgggtgcacgc aggatcgtct cacctgggag aggggtgctcg gcgcctgctt 180
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cctctgccga ccaatattaa cgggcttatg aacgtgaagc tgggccgcct tgaagatgcc 360
ctggagtga agtcagaaaa accccttgac cagaaggaga cttcgagcaa cgccttcact 420
tggtga 426

<210> 24240

<211> 517

<212> DNA

<213> *Aspergillus nidulans*

<400> 24240

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tcccccatgt gagttatcat catgctcatt attcgtaatg ctgtatcttg acctctcata 180
gtactttact acatttaaag ggaagtcgtt ggactcttac gacttcaaag ctactctttt 240
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tgtgtatgag ctggcgggca agtggagatc ctttcccga tctccatttc agcctcagcc 420
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<210> 24241

<211> 1710

<212> DNA

<213> *Aspergillus nidulans*

<400> 24241

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1710

<210> 24242

<211> 1781

<212> DNA

<213> *Aspergillus nidulans*

<400> 24242

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aaccgtcgag atggctgcga gtcctaccga ttccggtcaa ttccaggtag aggaaaagtc 180
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gtatgctgac gagactgggc tatctcaaga tgaacaggaa tctaccaagg tatgaagcac 300
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<210> 24243
 <211> 1510
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24243

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cgagaactaa 1510

<210> 24244
<211> 378
<212> DNA
<213> Aspergillus nidulans

<400> 24244

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gtgcaagagt cactgtcagg tcaagacggg agcgcggtga atcacatcgc cggctggggt 180
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gatgaatcag tgctggcgaa caaggaagag aaatgggtggc gcaaagaggg tgttactggc 300
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atcagtggca atgactag 378

<210> 24245
<211> 1196
<212> DNA
<213> Aspergillus nidulans

<400> 24245

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<210> 24246
 <211> 1735
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24246

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<210> 24247
<211> 555
<212> DNA

<213> Aspergillus nidulans

<400> 24247

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gagtacgaga ttgctgcacg attcatgcag caccgccgact tcgtcgaggg cgtcaaggca 180
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acggatgggc agtag 555

<210> 24248

<211> 687

<212> DNA

<213> Aspergillus nidulans

<400> 24248

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687

<210> 24249
<211> 707
<212> DNA
<213> Aspergillus nidulans

<400> 24249

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cataagccgt cgtgcacctt tatcgaagcg gacttgttgt ttaacttgcc tgcgcgcgag 600
cagtactcga aaactggaga aagtgcgacg tcgggactct ggacgaagat tgttcggccg 660
ctcttgtcaa cggcgcagcc ggcgacctgg cagaagagat tcgcgtg 707

<210> 24250
<211> 380
<212> DNA
<213> Aspergillus nidulans

<400> 24250

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<210> 24251
<211> 630
<212> DNA
<213> *Aspergillus nidulans*

<400> 24251

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<210> 24252
<211> 420
<212> DNA
<213> *Aspergillus nidulans*

<400> 24252

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24253

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24254

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<211> 1611
<212> DNA
<213> *Aspergillus nidulans*

<400> 24255

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1611

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<211> 510
<212> DNA
<213> Aspergillus nidulans

<400> 24256

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<210> 24257
<211> 393
<212> DNA
<213> Aspergillus nidulans

<400> 24257

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<210> 24258
<211> 455
<212> DNA

<213> Aspergillus nidulans

<400> 24258

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<210> 24259

<211> 1230

<212> DNA

<213> Aspergillus nidulans

<400> 24259

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<211> 545
<212> DNA
<213> *Aspergillus nidulans*

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<210> 24261
<211> 1770
<212> DNA
<213> *Aspergillus nidulans*

<400> 24261
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<210> 24262
<211> 429
<212> DNA
<213> Aspergillus nidulans

<400> 24262

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<210> 24263
<211> 1962
<212> DNA
<213> Aspergillus nidulans

<400> 24263

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24264

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<210> 24265

<211> 1111

<212> DNA

<213> *Aspergillus nidulans*

<400> 24265

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24266

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 <213> Aspergillus nidulans

<400> 24267

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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24269

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24270

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<212> DNA
<213> *Aspergillus nidulans*

<400> 24271

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<210> 24272
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 <212> DNA
 <213> *Aspergillus nidulans*

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<212> DNA
<213> Aspergillus nidulans

<400> 24274

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<212> DNA
<213> Aspergillus nidulans

<400> 24275

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<211> 527
<212> DNA
<213> Aspergillus nidulans

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<210> 24277
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<213> Aspergillus nidulans

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<210> 24278
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<212> DNA
<213> Aspergillus nidulans

<400> 24278

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<212> DNA
<213> Aspergillus nidulans

<400> 24279

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aggcttaa 608

<210> 24281
<211> 1009
<212> DNA
<213> *Aspergillus nidulans*
<400> 24281

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ccgccagcct cgactatata cccgccgatt cttcaacaaa cactcctgcg cacgcgaggt 180
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cgacaccatc gtcgagaccg atatccacca gcatcgatta tacacccgcc accaccagt 480
gcggaactcc gaatcctcat cctacgatcc cttttacca tacgcatcac ccgaagctgc 540
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cgttccaccg ccatccacta ttatgtcgtc tatgtccgag acgacatctg gttcgaccgg 660
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gggtgtccga acggggtggg ttgcatcgga tgacgccaaa cttgagaaac atgggaagca 960
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<210> 24282
<211> 813
<212> DNA
<213> Aspergillus nidulans

<400> 24282

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gcgtcatcaa aaattgaggg aatggcagca tctagttctt tcataaagac cattacacct 180
gatgggcagg ataacagtac tgcgctttct atttcagca caacaaatgc acctgctaca 240
ccaccaccaa cccgcaaaag aacgtttcct gggcagcgtc ttacgccgcg aaggaagccc 300
gtaccctcag acccagagat aatggatctc cagaaacgac aacgcgagct acagtcacgc 360

ttgtcgagct tgcggtccga cctcgacact gttcagcaag ccctgaggat agagtcgtcc 420
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 gcagaagagg tgttctctgg tgctcaggag cgaatttcgc gcatgggagg tgtcaaggcg 540
 tggcggggagc gaacgaataa taacgatgct cgggtgggagc aggaggagat ggagacctgg 600
 ttcggcaatg tggatgctga tgcacttgac atggatgagg atgaactgca ggcccgcaag 660
 gctgagctga gggaagagat ggagaggaag aatgtgaaag ggtctagtga tgattctgag 720
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 tatggatatg atgctcaaga tgctcaacat tga 813

<210> 24283
 <211> 254
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24283
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 gaggcaacga acctgtcgcg gccgtccagt cccaggatac aggcaccaag cgcacaagtt 180
 ggttttttga tagacgatga tccacgaatt ttctctttt gttgtctatt ttatcccctt 240
 cctgcagata tcta 254

<210> 24284
 <211> 220
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24284
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 ggactacccc gaccgtgacg acgagaactg gatgaaacac actctcacat ggcaagaaga 120
 gcctcacggc aaggctgaga tcggctaccg cagcgtcgtg cacaacaccc ttgacgagaa 180
 cgagtgcaag cctgttcttc ccttcaagcg tgtctactaa 220

<210> 24285
 <211> 486
 <212> DNA

<213> Aspergillus nidulans

<400> 24285

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tacgactctg cgttcactca cctccgcccgc tcaattgaac tagacgacaa tcttccctac 180
gacgaaccct ggggggtggat gcagcccaca cgccatgcct atggggcgct gttgctcgag 240
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ctgcctaggg cactgcagca cccaataac gtctgggtcat tgcaagggtg gcatgaatgt 360
cttgtgagac ttggaagact cgcagaggcc aagattgtca agcagcagct aaagtttgtg 420
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<210> 24286

<211> 744

<212> DNA

<213> Aspergillus nidulans

<400> 24286

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tctgggcccgg tcgaactatt gtcaacgacg aacatgcttg catataatgc accagatctc 180
cactcggcat cgtcgtcctc cacctcgtct ttgcagtcac ctgatgactc ggatcgttcg 240
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accaagcgga accaccaaga gctggcgcgc cagcgttcct tgaagcgcac gtctcctccg 480
ccgagctcca gtagcaaccc agaacggcta gcttacgata cttatcatgc ggagcctcac 540
ccgttcggca aagagttgga gcaggtcaac gaagtggctg aggaatttgg aggcgcccct 600
ctgtttgacg aggaagagca gattctgcgc agaaaggac tcaagaaatt ttccgtgaat 660
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744

<210> 24287
<211> 520
<212> DNA
<213> Aspergillus nidulans

<400> 24287

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aatgcatatc acaatccacc aggtcgggtg aaaatacgtc ttcgttcgca tcctcggtaa 180
aactttctac ctccagtcca acagcattat ccaactggggc acctggctag cttgcacaac 240
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gcatatcggc ctcgttcttc ttggtgtctt cttcctgggt ggcgcgacgt atggagtcgt 480
caagcaaadc attgacgcct atgcgactgg acagatcggt 520

<210> 24288
<211> 1179
<212> DNA
<213> Aspergillus nidulans

<400> 24288

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ggtggtgagg gaatggagga agcaaaggtc ggtttgaagt acaccgtgac gaacaagcag 600
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<210> 24289
 <211> 444
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24289

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 tatgcttctg gtttcttgcc ccgacttgcg aaaaagattg taccgatggc gcaacgcccc 180
 gggggtgcgg ccgaacaata tattgcctac ggaatgacct agagattatt cgaggcttgt 240
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 accgaagctg gggaggatct ggggtgttga gagggatggg ggtataaagg tctgctttcc 360
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 cttgttccga cattctcgac atgg 444

<210> 24290
 <211> 741
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24290

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 cgagtttctt cccttgagca gccggcgatc agggctgccg gcagaacctt ccgcgttgac 240
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 cgaaccttga taggacgagg aaaaggacaa gggatgtggg agcctgttgg gtggacgagg 480
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 gacattccca gacaggacgg agagtatatg gtgttctacc gcgactcgga catgctacga 660
 gcagaaaccc ctgcacgtgt ggatctcaaa cggtcctgt ccacggacga ctgcgatgaa 720
 ctgcaatcgc gctgggacat g 741

<210> 24291
 <211> 663
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24291

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 ctgcgggaac gaggaagac cgttgttctc attgagcgtg atgatcatct aggcggacat 240
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 gactaccccg tctccaggag tttcttcgct catttcaaca ttacattgac caccgaattc 360
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 ccgcctgtcg gcaatgtcgt tgaggcaatg acgcgctaca ctcaaatact actccaatac 480
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ctg 663

<210> 24292
<211> 965
<212> DNA
<213> Aspergillus nidulans

<400> 24292

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agtacttcgc cgagatgcgt gccacaatg tccgacctac cagtgtcacc tatggaacta 180
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tctaa 965

<210> 24293
<211> 657
<212> DNA
<213> Aspergillus nidulans

<400> 24293

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 cgcgtcctcc tctccagcg gtcttttgac gactcctacg gcggccaatg ggaaggaccc 180
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 aagctggatc cggccgagca tcgggatttt gagtgggtga ctgagaagga agtaagggaa 540
 gccgaggatg gaacggggag ttttaaactc tttgcagata tgggcaagac catactggag 600
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<210> 24294
 <211> 300
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24294

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 aactatgaat gtactatttg cgaaaggatt ttcagttctg aaacggctct gtatgcacat 180
 tgcgaaagta catcgcgaca ttctgtggtgc gcaagggtgcc gccgggtgtt cgtttcgacc 240
 caagccagaa attctcatct acaagattcc aaccagcatt atatctgtcc gagtgtcccg 300

<210> 24295
 <211> 1154
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24295

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ggcttttcggt agacaagtct cgcaggggaac tcctgaagga agagctgggt gccgaacaag 240
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<210> 24296
 <211> 1304
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24296

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<210> 24297
 <211> 489
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24297

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 agcttcgcca acgtggtcgg ctcgatcaac tcgttcctct ttgctcctga cgaccgagag 360
 gccgtcgctg ccaagatggc ccaccgggac acacacatcg tctccctgac tatcacgaa 420

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 tttgacctc 489

<210> 24298
 <211> 833
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24298

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 gaactctgga gccgcagatt agaggttctt tgctgacact ttgatattct acagaaaagc 180
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 gccgcggttg gcgctattgt acgaggacaa ccagaaaaag gtcaaaactca aggtccgtga 720
 gttgaagtac agcaccgcgg caggtgctga gtctgaattt acaagcattg cggattatgc 780
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<210> 24299
 <211> 482
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24299

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 aagtgggtccg acgaggacga cgtgattgcg cgtgccaacg gaaccgacag cgctctggca 420
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<210> 24300
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 24300

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1038

<210> 24301
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<212> DNA
<213> Aspergillus nidulans

<400> 24301

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<210> 24302
<211> 1201
<212> DNA
<213> Aspergillus nidulans

<400> 24302

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gccgtaggct catacatttc tgacttcatg atttacgggt gactgatgta gcttctcgac 180
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<210> 24303
 <211> 761
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24303

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 ctagccatga tctgttttcc cgatgtgcag cgcaaggctc aggaagagat cgaccgtgta 180
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<210> 24304
 <211> 708
 <212> DNA
 <213> *Aspergillus nidulans*

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 ctcaccactt ttgatgaaac tggcgccggc tacaagtcac agcagccttc taatctacag 540
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 tctgatgtct actccggtc cttctgtgg gatcgtgttc ctgaaaagg gattcgcgac 660
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<210> 24305
 <211> 573
 <212> DNA

<213> Aspergillus nidulans

<400> 24305

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<210> 24306

<211> 374

<212> DNA

<213> Aspergillus nidulans

<400> 24306

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<210> 24307

<211> 1267

<212> DNA

<213> Aspergillus nidulans

<400> 24307

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 gatatgcaaa ttggtaccta tctagagcag aatttggata cagagctctc tggaaacatc 180
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<210> 24308
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24308

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1724

<210> 24309
<211> 1805
<212> DNA
<213> *Aspergillus nidulans*

<400> 24309

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<210> 24310
 <211> 854
 <212> DNA
 <213> Aspergillus nidulans

<400> 24310

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<210> 24311
 <211> 2024
 <212> DNA
 <213> Aspergillus nidulans

 <223> unsure at all n locations
 <400> 24311

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<210> 24312
 <211> 481
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24312

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<210> 24313
 <211> 411

<212> DNA
<213> Aspergillus nidulans

<400> 24313

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<210> 24314
<211> 1059
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 24314

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<210> 24315
<211> 321
<212> DNA
<213> Aspergillus nidulans
<400> 24315

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atcttagctt cctctccga taaccggggg gcctacaaca agcgcacccg acgaggtcgc 180
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<210> 24316
<211> 531
<212> DNA
<213> Aspergillus nidulans
<400> 24316

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aaccacatct ccactgctgg agaccggatg aggtctttga tcgagggggt cctgcacgca 180
ggagacaccg aactggacc gctgatcgtc ctgtctacct tactaccatc aggacaacgc 240
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tatccggaag actatatgat cgacggcagg gtcgatagca cgcaccccaa tgaccgggga 420
tacgaaaaga tggcgcgcac ctggtacgag gctattgtcg atgctgccgg acaggacctc 480

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<210> 24317
<211> 577
<212> DNA
<213> Aspergillus nidulans

<400> 24317

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gcccattgtac ggccgtcagc tcgaagagtc ggacacacta tactcccaga tttctcgtgc 480
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<210> 24318
<211> 696
<212> DNA
<213> Aspergillus nidulans

<400> 24318

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gttttggagt ttgagaagga gttgaatgag gagtaa 696

<210> 24319
<211> 493
<212> DNA
<213> *Aspergillus nidulans*

<400> 24319

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gcgggcgatac ttg 493

<210> 24320
<211> 1029
<212> DNA
<213> *Aspergillus nidulans*

<400> 24320

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gagaatcttg aaaaacatgt cctcgacgat cgtggactga tcaaattggtg gtgccgtgct 180
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tttgaaacta gaggtttctt ccctagtagc gccaaagcag acgataaaga ccggccccga 360

tggctgaatg cttatccttt acgtcaaata tgcagcaagc ctgatgctcc gccgcgctct 420
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<210> 24321
 <211> 861
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24321

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 <211> 337
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24322

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 gtctcagctt gttatgaagc agcgcagctt tcgtaccgag agatacccta tcaaagtcag 180
 cgtgggtgac acgatcgatt tcgagggtac gactcccact tcgcttgggt acgtgacgct 240
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 aggggttatt gaagcagaga tctacactcc ggcttaa 337

<210> 24323
 <211> 1451
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24323

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<210> 24324
<211> 693
<212> DNA
<213> *Aspergillus nidulans*
<400> 24324

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<210> 24325
<211> 294
<212> DNA
<213> Aspergillus nidulans
<400> 24325

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cgggatgtaa gtgctgttca tgggtgataa tgctggagag gcgctggcaa gtgagtcgtc 180
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<210> 24326
<211> 323
<212> DNA
<213> Aspergillus nidulans
<400> 24326

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tttctctga cttgtccagt ttcgtgcaag actaccgtgc ggaaaaggac atcctctcgc 180
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ctgatttgag gttattcgat ggc 323

<210> 24327
<211> 222
<212> DNA
<213> Aspergillus nidulans

<400> 24327

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<210> 24328

<211> 434

<212> DNA

<213> Aspergillus nidulans

<400> 24328

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gccatacctc agcccttcca gcgtgggacc cgccaatcca ggcactctgag ttgttcacaa 180

acactgctct tgcgacggag aagctcgctc cccaagagcc ttggtgggag cccggcaccg 240

catcgggata ccacctcgtc tctcagggcc tggtactcgg cgagctagtgc caccgcatct 300

ccggaaaacc actcccgcaa tttatcgccg acgagctggc cggtcactc aatgcagact 360

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ctccatttcc ggct 434

<210> 24329

<211> 1420

<212> DNA

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<400> 24329

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ataaaacgct ataacggctt cctccctgt gatcattcct ttccaaatca cccaccatct 180

tctcancctc aacaggatgc cactcaaact gaaagccgtt tactccagac aaaacnccc 240

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atgtactcan acctctcgcg gctgcagcag gacagaagat cctgagtcag ggtggaaatg 360

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<213> Aspergillus nidulans

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<210> 24332
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<212> DNA
<213> Aspergillus nidulans

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 <400> 24333

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<211> 1175
<212> DNA
<213> Aspergillus nidulans
<400> 24334

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<210> 24335
 <211> 540
 <212> DNA
 <213> Aspergillus nidulans

<400> 24335

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 aatcttcttg atcagtgctt aagcaaattg attccggtaa accgagccgt atggcttggt 240
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<210> 24336
 <211> 444
 <212> DNA
 <213> Aspergillus nidulans

<400> 24336

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<210> 24337
<211> 273
<212> DNA
<213> Aspergillus nidulans

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<210> 24338
<211> 429
<212> DNA
<213> Aspergillus nidulans

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aactataca 429

<210> 24339
<211> 429
<212> DNA
<213> Aspergillus nidulans

<400> 24339

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<210> 24340

<211> 615

<212> DNA

<213> *Aspergillus nidulans*

<400> 24340

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<210> 24341

<211> 573

<212> DNA

<213> *Aspergillus nidulans*

<400> 24341

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<210> 24342

<211> 612

<212> DNA

<213> *Aspergillus nidulans*

<400> 24342

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 <211> 780
 <212> DNA
 <213> Aspergillus nidulans

<400> 24343

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24344

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 <213> Aspergillus nidulans

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 tattggcgcc ctgagtattc gcaatggcac ggtagaatt caagaaggca tcaaaccgac 180
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<210> 24346
 <211> 438
 <212> DNA
 <213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

<400> 24347

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<212> DNA
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 <213> *Aspergillus nidulans*

<400> 24349

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 <212> DNA
 <213> Aspergillus nidulans
 <400> 24350

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 <212> DNA
 <213> Aspergillus nidulans
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<210> 24352
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24352

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<210> 24353

<211> 2082

<212> DNA

<213> *Aspergillus nidulans*

<400> 24353

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<212> DNA
<213> Aspergillus nidulans

<400> 24354

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<212> DNA
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 <400> 24355

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 <400> 24356

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 <213> Aspergillus nidulans

<400> 24357

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<400> 24358

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gatctagatc gtctcggtgt agccggtgta gtggaggaga tcaagacccg cgttggtaac  180
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<400> 24359

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<210> 24360

<211> 302

<212> DNA

<213> *Aspergillus nidulans*

<400> 24360

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<210> 24361
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24361

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<210> 24362
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<400> 24362

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<210> 24363
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24363

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 <213> *Aspergillus nidulans*

<400> 24364

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<213> Aspergillus nidulans

<400> 24365

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<213> *Aspergillus nidulans*

<400> 24369

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<213> Aspergillus nidulans
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<213> Aspergillus nidulans
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24373

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1573

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<213> Aspergillus nidulans

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gaaggagaac aggagaccat ggaagtggac taa 453

<210> 24380
<211> 675
<212> DNA
<213> Aspergillus nidulans

<400> 24380

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gccaaagtact ccaaggtaaa acggtactat tttgaacggg atgcccagggt ccagcagcta 180

caaaacaccg ttgctcacca gcgtatggcc gtttcccgaa ccgttctcga cgacaacgag 240

tacgccaaacc ggtttgccg tctggacggc gccatcaagg accttgcaatt ttccatccgc 300

aaagactgga aaacacttcc cacttggtt tccgggtttg tcaacgagga tgctccagcc 360

acgggcacaa aggaaatgac ggccattggc cgctctgtaa tgagccgctg gctggtagac 420

gagatctttg agcgttactt tcatccggcc cttgagccaa gcttcagtca gcaactgaaa 480

tctattgaaa tgaccttgcg cagacaacat acaaatattg caacagacga agataaagag 540

aactccatcg cccgaatctc caactggcgc cgcacaacgc tcgacggtct aggcgactcc 600

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ctcgtcgcaa ccctt 675

<210> 24381

<211> 955

<212> DNA

<213> *Aspergillus nidulans*

<400> 24381

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gtcctcttca ttgtgttcgg aatccaacag acatactgca tcctcacgac ggaggagacc 120

cgactcttcc ctgtggaact tgtttcgtgg cgccaacctc ttctctcgct gcttttcgtc 180

tgcggctgct gtactggtgt ttgcgtgacg gttccgacat atgtgatccc actgtacttt 240

cagttcactg aaggcgacga atcgcttcaa tccggcgctc gactccttcc gttcgtctgt 300

cttctggtct tcagctgcgt ctctggtggc tatcttgacg gccgtctggg ttactatatt 360

ccgtggtaca tcatgggcgg tgggttctgc ctgatagggt ccgctctcat gtataccatc 420

aagcccagca gcggtcctgg agccacctat gggtagacgt cgctgattgg gttggggtct 480

ggcatgtacc ttcaactagg ccatgcggta gcgcaagcca aagtcaagcc ggagaaagtc 540

ccggcagccg tggcatttac cacaacggcg cagctgaacg gactaacgtt tgcgcttgta 600

ctgtcgcaat gtgtcttcgt aaacgaggca gcaagcgtg agtatctcct actgctgaat 660
tccttcagcc attaccgtag tcgtggcaat tataagctaa taccctttaa ctataggcat 720
cggctggatc ctccctcatg aaccacgttc gacgattgtg gacgcgatct caggaaccgg 780
gtcaactttt gtgcaggagt tgccaacagc tacacaaaat gaagttctcg gtgcaattgt 840
aaccgccatt gatcggacat atatcctctg catagttgca gctgctgtga ccttgctcgc 900
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<210> 24382
<211> 204
<212> DNA
<213> Aspergillus nidulans
<400> 24382

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agagtaacat cgctcaccgc agagcaactg gagagaaagc gcgccaacga tcgtgaggcc 120
cagagaacta ttcgacaacg aacaagagag catattgagc gactcgaact tcaagtggcg 180
gagctgaaag ccaagggcga ttaa 204

<210> 24383
<211> 660
<212> DNA
<213> Aspergillus nidulans
<400> 24383

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atccaggaag tgcagtacca gaccgcgagc cgacagaatt cgaggataga tcaagatgac 120
accacattct ttgacgaaat caaccctgga ggaagggctg agttgactcg tattgcctcg 180
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ttcaatcatt acaagtgggc ccgtaagatt atgaaactca tggacgagga aggtgccct 360
cgacctccgt cgaccgggat cacttttcaa aatctcaatg tattcggtc ggggtcagct 420
ttacagtacc aggataccgt ggtctctctg ttgactgcgc cattgcgcct ccacgagctc 480
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ggtgaactct tgattgtcct aggacgacca ggtagtggct gttcaacctt ttggaagtca 600
ctatgtggcg aactcaatgg tctgaaacta ggcaagggt cgcacatcca gtatggaggg 660

<210> 24384
<211> 758
<212> DNA
<213> Aspergillus nidulans

<400> 24384

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gtatattaat acccgcgggc acaccgccgt ctataagggt cgtgatattt ctcaagaatt 180
tcggttcgtg cacctcacgt gtctaactat cccattttac aggaaaataa gtgagaaata 240
cgacaaagtt ttcgcgacgg gctgtcagcc catcaacacc gatacacccc gagcgaacgc 300
ggcttttcgtc gtgctcgcaa gaaataagga aatcgatggc gttatccagt caatgaagtc 360
gatcgagcga cacttcaacc gctggtaccg ctacccttat gtttttctaa acgacgccga 420
gttcgacgat aacttcataa atactgtgaa gaactataca agtgcgcccc ttgagtttgg 480
gaagatcgat gagacaatgt ggggttacc tagttgggtc gaccacgagg ttgctaaaga 540
aggcatccgg aaacaaggag atgcgcgaat catgtatgga ggtatggaga gctaccatca 600
catgtgccgc ttctactctg ggtaagccac cttcggacag cgcttgccgt caaatactca 660
tctgcccag gttctttctac aagcaccgcg tctcctgaa gtacgagtgg tattggcggt 720
tggagcccga gatcaagtac ttctgcgaca tcacctag 758

<210> 24385
<211> 423
<212> DNA
<213> Aspergillus nidulans

<400> 24385

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aggcgtttga catccccgtg ctgacgacct cctcggacga agggcccaac gggcagatgc 180
ttaaggagat tctcgatatg taccgaaca ccacggctgt ccgcccag ggcgaggatca 240

atgcatggga taacgaggag ttccgcaacg cctcaaggcg acggggaaaa aagcagttga 300
 ttgtaggtgg gattgtgaca gaagtttgta agtctctata gttatttccg cgcttaactc 360
 gatcttacac tgactggatt ttgcaggcac tgcgttcttc accctctcca ttgtcgatga 420
 agg 423

<210> 24386
 <211> 335
 <212> DNA
 <213> Aspergillus nidulans

<400> 24386

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 tgcgctatcg ttggttgctg gctgacggtc ccattcaatt cttggtttgg ccgacgagga 180
 accattttta taacttgcac cttctcggcc acgacatgtc tctggcaagg atgttgcagt 240
 acctggtggt ctttatttat tgcgcgcttc gcccttgggt ttgggatagg cccaaagtcc 300
 gctactgtac cagtatacgc agccgaaaca ggtga 335

<210> 24387
 <211> 1162
 <212> DNA
 <213> Aspergillus nidulans

<400> 24387

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 ggagtccctg gttgacgaga aagccaatgg ccagtacagt ctcgacaacg atgatcttca 120
 ggttacttat cccctcaatc gctgcgtcgc cttcctccga gaacaacaca gcgcaatcgg 180
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 attaaagttg ctaacaacat acagaactgg tcgaagccct cgagtcatat tcgtcccacc 300
 tcgaaccctc cttcgttaca ctogagcttc ctcccacagc tcttggtatc tcggttgctc 360
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 acgaagaata ccaccgccgt cttgagctcg tgaccacaac atgcgaagaa atcatcaagc 480
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gcgagtcgcc cgaacaacta ggacttcatg aatcggactt ggcaaacttg ctgcgcgta 600
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 ccgttgaagg gctttgggaa cgctttggcg tcgaggaatg tgacagaaag gctttcctcg 720
 ctgcgaaccg tggctgcggc cttcgtacta tcaatgagtt tgaagaggaa ctttcccgtc 780
 taaacgagtt gaagaggcag aacctacacc ttttcgtgga ggacgcacgg tgccggctgc 840
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 aagctttgaa agaacagcgc gctccgattc tgaatttaat cgacaaacat cgaagccttc 1020
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 gaatcgccaa ggagttgccg ag 1162

<210> 24388
 <211> 551
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24388

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 gaccaagctc accaatctat cgttcagatc ccattatctt ccgcggcctc aaatccctca 180
 ctttcaatga cccccaacaa cagtcactcc tccgcctcgc cgcgaggggc ataagcgtct 240
 attctccgca cacggccgtt gacgcaacct ctggtggtat gggcgactgg ctctgcgacg 300
 ttgtcacggg cgcaaccact ccatactcgt cgtcctccgt cgccgacctt gaatcccccc 360
 cctccgcctt ctactccgcc cccacatacc ccaaacctgg gcccgtttca cttgcacct 420
 catccaaaat aatccccac acccgaagca caatccacct ctccccggct ccggtccct 480
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 ctccgcattg a 551

<210> 24389
 <211> 732
 <212> DNA

<213> Aspergillus nidulans

<400> 24389

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cgactcacgg ctgatatcga ggagccagac cgccaggggtg tcactttcaa cttcattagg 120
gcggtcatgg ctcgcaagtt tgtgggtgcct gagctttacg agctcattga caacgttgcc 180
atgatgatgg tcacgaatca aactcgggtcc gcgcgtgac ttgcccgtgg tgtgtacatc 240
cattttctca ttgagtatcc gcaggccaaa aacaggtgga cgaaacaact cgctttcttg 300
gctaaaaatc ttgagtacaa acatcaagac ggtcgtcaat ccgttatgga ggcgattcac 360
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ttactcgggtg aattctacag gagggcggac cgagagacga tgaaaactat ccttgagcca 540
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atgagaatct acttcgaggt ggaggagacc gacaaggata aggaggcagg ctttgttgct 660
cagacccttc caacgatcat acagcccatt atcagagata cagagacgac caactggcaa 720
actctgtatt tt 732

<210> 24390

<211> 540

<212> DNA

<213> Aspergillus nidulans

<400> 24390

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gccgtcttcc tggccgatac ttacggcggt tatgatacct acgagggcaa gctcgatgaa 120
tgtatccggc gcgcagccca atggcccgtc acagacccaa ccattgtatg tcacttgtgc 180
cgtaaattga gccaaacagg actgatatga gtccagccca tctctgcaat ggcagccgtg 240
acaaaaaacc tcgccttcgc aatcactgcg tcgacatcat ttgagcctcc tttcctcctc 300
gcaaaacgat tttcgacatt ggatcatatg acggacggcc ggatcggttg gaacatcgtc 360
acttcatgga agaaggctgc cttcaaggct attggcttgg actctccaat tgagcacgac 420
gagcgggtacc gtcaagcaga cgaatacctt cgcgtgctat acaagtatgg catcacctgc 480

attccaagtt ggtgactgac gcttatccat ggcaggtctt gggagggatc atagggtccg 540

<210> 24391
<211> 226
<212> DNA
<213> Aspergillus nidulans

<400> 24391

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gaaggggtgtg ggaacttggt ttcgaggtat gtgtttttct cacttcaaaa ttcactggtc 180
gagttcgcg tgaattgaat aatgaatctg caaggttgga cagtaa 226

<210> 24392
<211> 229
<212> DNA
<213> Aspergillus nidulans

<400> 24392

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agctgctgcc atccgtcaag cccgcagccg ctacttctcc acccgcgcg caggcccgtt 180
tgcttcatac ttcaaagcgg cagtccaggg cgacaagact gccttatag 229

<210> 24393
<211> 279
<212> DNA
<213> Aspergillus nidulans

<400> 24393

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aacggtgggc cgcaacaacc gccccgaaa gtgtccaacg gccgtgccaa aacagtgccg 180
gtacgtcgtg tagaagccgg agaacttcgt ctcgagttat ggggtggaaga ggcacggcag 240
aagttcaatg aaccggtgga ttctgagcat ccgccataa 279

<210> 24394

<211> 709
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24394

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 cgacccttgg ccagtcgtcc ccttgagagg ggtgtttgcc cttaagcctt aaagcgctgg 120
 gaagttgcta tcagtcatga caatgacatt tattataact gattgctaata ctgtcacttc 180
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 ttcacaaagt ggggtgacgc ccaggtccaa cggacgtggc tgccaaagct ggctaccggc 600
 acggttggct ccttctgtct ctccgagcct gtctctggct cagatgcctt tgccctccag 660
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<210> 24395
 <211> 546
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24395

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 gtctcacgta tcttcagct ttttgatgtt caccgcattg gacatgccat ggactgattt 180
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 acaatatattg tctattagcc cggcgacccc actcctaaag ttcacgggtt atcctccagc 420
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<210> 24396
<211> 785
<212> DNA
<213> Aspergillus nidulans
<400> 24396

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aacgcagaaa gcgtcattat tgtaagtatc aatccttggc acaaggcctc tgctcatacc 180
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<210> 24397
<211> 283
<212> DNA
<213> Aspergillus nidulans
<400> 24397

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ccgtcgcgcc gcagaaagtt gcctctcgca caggcagcca gcgctcattc cagctcagct 120
acaagcgtga agagacgctg ccttcgtaca actcgtcaag tcctgtccga cgcgtctcaa 180

cggcgagcat ttccccggttc cccgtcaaaa tctctccgcc gctgaatccg atgccgatgc 240
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<210> 24398
<211> 324
<212> DNA
<213> *Aspergillus nidulans*

<400> 24398

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caggaggcta tcgaggtatt atcaaccata ccctatccag atggcgtctg ggaaggccgt 120
attcttgaag tgatagcgca gcgggctaaa gttgtcgaag aattcggact taatgctgat 180
cagctagttc ctgaatttaa gaggatccat gtccttgggc tggcagtcca tctgagtcc 240
cgcaaagtct gcgtcgaatt tcggaggagg cctaattgga tggacggcga atgggaggag 300
tgggaggagt ggattagtta ttag 324

<210> 24399
<211> 1124
<212> DNA
<213> *Aspergillus nidulans*

<400> 24399

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aaataaaaga gaaaaacaaa aaagaagaga taaggaaaaa gacaatgaag gaaagctaac 180
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cgatgccgtg gcggtggctg ttttacgcca tttatgcctc gctgttcctg atcacggtgc 720
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<210> 24400
<211> 582
<212> DNA
<213> *Aspergillus nidulans*
<400> 24400

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caagcaaatt gaaagcgtgc tcacctctgc gagtatcatt acttactgaa agctcttttag 180
gactacgtca aggccacttc ggacattatg cactttctga cctatgccga taattatgcg 240
atcgggtatt tcaagaaaca aggattcaca aaagagattc aactggaccg atctatatgg 300
atgggctaca tcaaagatta tgaaggagga accatcatgc agtgacaaat gctcccgaaa 360
atccggtatc tcgaatccgg gcgcagtgtg ctcaaacaga aagaggcggc ccacgcaaag 420
attcgtgcct tcagcaaata gcatatcatc catccgccgc cgaaggagtga gaagaacgga 480
cctgtcaaga ttgaccggtt gagcattccc gccattaaag agtccggctg gtcgccggat 540
atggacgaac tcgttcgtca gccacgacac gggccgaatt ga 582

<210> 24401
<211> 965
<212> DNA
<213> *Aspergillus nidulans*
<400> 24401

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ggcgtcaacg gagacggcga gcctaaagca cgagtccgac cacgcacata tccttacttc 180
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cgga 965

<210> 24402
<211> 303
<212> DNA
<213> *Aspergillus nidulans*

<400> 24402

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caggtcatgg taggttccct cctccccctt ctgtatccct ctctttgccg tttctaacag 240
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cag 303

<210> 24403

<211> 838
 <212> DNA
 <213> Aspergillus nidulans

<400> 24403

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 aagctccaag ttaatagcaa tctagaatct ccatggacaa gagttcagct gggcttctgg 180
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 ctggataaac attctaatat cgactgtaga tgctctttct catatttgga ctcatcacag 660
 ttgcgtggtc tgtcttttta tggttcttcc tccccgacga cccttcgtcg gcgcgtttcc 720
 ttaacccac agaaagagaa ttcgcatctt tgcggccaaa gaagttccag cgcactactc 780
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<210> 24404
 <211> 1117
 <212> DNA
 <213> Aspergillus nidulans

<400> 24404

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 ttctgtcaa gtcgccgctg cccaacccta ttctcaaat ccgcttcctc cgctcctgct 360

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<210> 24405
 <211> 240
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24405

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 gtttcccgcg ttgctgtgag cgccatgctt acgggtgcga tcagcacctt cacgtctgcg 180
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<210> 24406
 <211> 598
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24406

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accatggagt cttctgcgat ctctctcttc ttctccatga tgcgccgctc tgcctccagat 180
 gcccacactg aagcaaagga gtacctaata aatctgattg actccccagg acacatcgac 240
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 tctgcggaag cctattctca cctaagcaga ctcttagaac aggtaaacgc cgtcatcggt 480
 agcttctacc agggagaacg aatggaggag gatctccagt ggcgagagcg tatggaggaa 540
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<210> 24407
 <211> 254
 <212> DNA
 <213> Aspergillus nidulans

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 gtttgacgcg tccgattcat aaccaagact actactacgg catctttgat gcctgcgagc 180
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<210> 24408
 <211> 932
 <212> DNA
 <213> Aspergillus nidulans

<400> 24408
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<210> 24409
 <211> 386
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24409
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<210> 24410
 <211> 538
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24410
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aaagacgttg tccctgatgt acgcttatac ctcatatgca cacatatggc ttactaacia 180
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<210> 24411
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 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 24411

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<210> 24412
<211> 1109
<212> DNA
<213> *Aspergillus nidulans*

<400> 24412

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cgagagcag tatgttttca tctccatgg caacaagcgg agatttctct aatcctttca 180
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<210> 24413
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 <212> DNA
 <213> *Aspergillus nidulans*

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395

<210> 24414
<211> 931
<212> DNA
<213> Aspergillus nidulans

<400> 24414

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<210> 24415
<211> 432
<212> DNA
<213> Aspergillus nidulans

<400> 24415

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gatggagctg ggggataatg aacatgttcc ccccttcctt cgccagtcgg ttcttggttg 180
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<210> 24416
 <211> 397
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24416

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<210> 24417
 <211> 683
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24417

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accgggttct cgaatgtgga ggaggaccag gtcgatctgt ccaaggtgat gccgtttatg 420
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<210> 24418
 <211> 374
 <212> DNA
 <213> Aspergillus nidulans
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 agtccgaga agatcagcct ggaccggag gttaatctga tcacacgcgt agcctgtacg 240
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<210> 24429
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24429

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<210> 24430
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<212> DNA
<213> *Aspergillus nidulans*

<400> 24430

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<210> 24431
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<212> DNA
<213> *Aspergillus nidulans*

<400> 24431

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<211> 537
<212> DNA
<213> Aspergillus nidulans

<400> 24432

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<210> 24433
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<212> DNA
<213> Aspergillus nidulans

<400> 24433

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<400> 24434

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<210> 24435
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<212> DNA
<213> Aspergillus nidulans

<400> 24435

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<210> 24436
<211> 368

<212> DNA
<213> Aspergillus nidulans

<400> 24436

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<210> 24437
<211> 621
<212> DNA
<213> Aspergillus nidulans

<400> 24437

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<212> DNA
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<400> 24438

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<210> 24439

<211> 1132

<212> DNA

<213> *Aspergillus nidulans*

<400> 24439

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<210> 24440
<211> 315
<212> DNA
<213> Aspergillus nidulans

<400> 24440

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<210> 24441
<211> 291
<212> DNA
<213> Aspergillus nidulans

<400> 24441

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<210> 24442
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24442

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 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
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<400> 24444

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 <213> Aspergillus nidulans
 <400> 24445

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<400> 24446

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<210> 24447
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24447

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 <212> DNA
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<400> 24448

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<400> 24449

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<400> 24451

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<212> DNA
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<400> 24452

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<212> DNA
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<400> 24455

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<400> 24456

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24457

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<213> Aspergillus nidulans

<400> 24458

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<211> 582

<212> DNA

<213> Aspergillus nidulans

<400> 24459

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<213> *Aspergillus nidulans*

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<210> 24463
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24463

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<210> 24464
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<400> 24464

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<210> 24465
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<400> 24465

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<210> 24466
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 <213> *Aspergillus nidulans*

<400> 24466
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 <213> *Aspergillus nidulans*

<400> 24467

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 aatgggtaag tgggtccagg gtagtccggg tgggtccggc ataatacggg cgtggcccat 180
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<210> 24468
 <211> 719
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24468

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 aacatccttg ttaagtcctt tgggtgtctgg gagccccgtg agggttctgc ccagctccac 240
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<210> 24469
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24469
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<210> 24470
 <211> 536
 <212> DNA

<213> Aspergillus nidulans

<400> 24470

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ctaggtgaac gtaggaatca acagctgggt cctacactac gacactaata tatacggcgc 480
agacgcactc attttcagac ccgagcgatg gctcgaagca gatgaagagc agctga 536

<210> 24471

<211> 366

<212> DNA

<213> Aspergillus nidulans

<400> 24471

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tatgcccgtt atagcacctc catcgctggt gacgatggag atgaagacat ggaggacgcg 240
gataatggac accgcttggt tgggcagtat actgcaacgc gaagccagat tgacgagttt 300
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<210> 24472

<211> 992

<212> DNA

<213> Aspergillus nidulans

<400> 24472

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<210> 24473
 <211> 491
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24473

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 aaccggtccc tgaactcccc tatgacctgg acgacgaagt tcgagcctcg gaggaacgag 420

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<210> 24474
<211> 318
<212> DNA
<213> Aspergillus nidulans

<400> 24474

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cttcacatca tcaaggta 318

<210> 24475
<211> 1179
<212> DNA
<213> Aspergillus nidulans

<400> 24475

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<210> 24476
 <211> 599
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24476

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<210> 24477
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24477

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<210> 24478
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24478

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<210> 24479
<211> 639
<212> DNA
<213> *Aspergillus nidulans*

<400> 24479
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<210> 24480
<211> 1208
<212> DNA
<213> *Aspergillus nidulans*

<400> 24480
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<210> 24481
 <211> 1147
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24481

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 gtcaatgtca cccgtcccgg ccagtcacg ctgctcggcc aaacagacca tgtcaccgac 240
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 caggatactg taggtctgcc taacctcttg cgaaataatc tgacaatcat aggtctacgt 600
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<210> 24482
 <211> 390
 <212> DNA
 <213> Aspergillus nidulans

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 aatggCGGca ttattcctcc tgcatcttca aggatcgagg gtagcacagg gcgactgtgt 180
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<210> 24483
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 <212> DNA

<213> Aspergillus nidulans

<400> 24483

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tcaataagtt gtctaactga cttcgataga cctagaaaat accgctcccc ggatacggtc 180
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tactgacagc ctgtcttcag agcgccaatg aaagggcaat taccaaacac tacaagcgtc 480
tctcacttct ctaccacccc gacaagatcc gtccccgacc agcgaagaat gaaaccatcg 540
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<210> 24484

<211> 1737

<212> DNA

<213> Aspergillus nidulans

<400> 24484

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acgtgggtat attcggtcaa tcatgtagaa ggcgccctact gctttgaaca ggctattggg 180
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<210> 24485
<211> 357
<212> DNA
<213> *Aspergillus nidulans*

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gaaccatta aggccgaagt cgttccatat atcagggtg aacgtctcgg caagccattg 180
cccagcaagc caaccgggtt actgcaggtg ctgttccacc gcatggacac ggggtgccttc 240
tttaaagggc tgctgaatgc cgactcgaag agtgctgtgt acgcgaatga gttgccgagg 300
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<210> 24486
<211> 571
<212> DNA
<213> *Aspergillus nidulans*

<400> 24486
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caacgtccag gctccaacaa ggccgaccct ggagaggctg agctgttcat gtctcttgtc 180
gttccggcct ataacgagga ggaccgactg ggaggtatgc tggaggaagc tgtgaactac 240
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cggaagaccg ccaacggaca cgcaaacgga attgcgaata gcaacacaga gactacaccg 360
cacaggaaag gctgggagat cataatcgta tcggacggat cgacggataa cacggaagag 420
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<210> 24487
 <211> 282
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24487

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 tacaagaaga agttggccct gcaaacgctc cctctcctcg agactactga taactcagtc 180
 agttatggta taccagagtc attatatttct tctactgaagg acatgttcga gtccatcgtg 240
 gggagtcagt cacgaattgg gataatccgg ccgcagcatt tc 282

<210> 24488
 <211> 797
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24488

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 acacgatgcg tcatatgatg cagatgcaac gagcaatggg aggatttggg ggcggtagtg 180
 ctttccctgc cccgggagtc accaatacaa cgcccagga aaatagaact gcgcaaacca 240
 acaccaacaa caataatagt aatgctgcc aatgccctccc aggaggtctt ttcaaccctt 300
 ttatgcccc gggccttggc gctggcaacc cattcgcagc tctttttgga gggaaccagg 360
 gaagccaagg aggaaccag actgatcaga ctggcgcggc gcaaccagag tcgggaggag 420
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 catcactgtt cgggtggcct agctttggta gccctgctcc ccaggacaac aggcctccag 660
 aagagagata cgcggaccag ctgcgtcagc tcaacgatat gggcttcttt gaattcgaac 720
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<210> 24489
 <211> 227
 <212> DNA
 <213> Aspergillus nidulans

<400> 24489

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 ggtacagcaa gtctggtgct aagcttggtg gtggtgagtg gaaagacggc tctcgcgctg 180
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<210> 24490
 <211> 338
 <212> DNA
 <213> Aspergillus nidulans

<400> 24490

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 ccgttcctga gctgttgac gttgttgccc ctaaagggtg ggaactctta gtgaagggca 180
 tccaagaggg cttgttcgtc ccaccgcaca agaacgccgg ctggtacacg gctgagcaga 240
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<210> 24491
 <211> 1290
 <212> DNA
 <213> Aspergillus nidulans

<400> 24491

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 aatccgaaaa gtctctcatc cgccgaaca ttctccgccg tctatcaccg ggcttagctg 180
 cacgcgtgaa gttactggac ggaagctcca aaacagacac atccccccgg aaccccggtg 240
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cgatcgaagt tgagagaaag ggccgcgctt ggagcggaa atcgtttgcc aacaaaaact 360
 caaaaacaac aggtacagcg agaaccacta ccacaatcag gcgtgcctga accaccggtc 420
 gcggaggtcaa cccctgggtc gggtcaggac gccacatccg accgcctgga aaaaaagaa 480
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 ggcccggaaa taagtgatcc taacattgaa gaccagaccg atggcccaac agattacgag 600
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 cctcacggtc ttcaccggac gtcacgata tactctagta ccaattcgat attctcattc 780
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<210> 24492
 <211> 657
 <212> DNA
 <213> *Aspergillus nidulans*

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 aaccaaggac ttgcaacacc tatgcatcct tccaagtag gtgcgcctat gattccaacc 300
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<210> 24493
<211> 354
<212> DNA
<213> Aspergillus nidulans
<400> 24493

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<210> 24494
<211> 863
<212> DNA
<213> Aspergillus nidulans
<400> 24494

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gatcctctag ctggtgttcc gaagatgacc gatcaattgt cccaagttt catggaaggg 180
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gatggcgcca cctccataca gaccgtgaag cgaaagcgag aatcgctcga cgtcgatcca 720
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<210> 24495
<211> 1095
<212> DNA
<213> Aspergillus nidulans

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<210> 24496
<211> 597
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 24496

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tttggtgaca gggctcttctg cgccagcacc cgctacatct gggctatgaa tgagaacggc 180
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aaggcgctcg attacgcaa agaagaaaag gagcgatgg ctgcgcatgg cgatcaggct 420
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<210> 24497
<211> 395
<212> DNA
<213> Aspergillus nidulans
<400> 24497

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395

<210> 24498
<211> 1023
<212> DNA
<213> Aspergillus nidulans

<400> 24498

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agacgcgccg cagaacaaac tgcggccgca gccgcagcct cagaggaagc ctctcagcta 480
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gacgaactgg gcctaggact gcgcctgat cctcacgca ttgtcatagg acccacaact 660
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<210> 24499
<211> 945
<212> DNA
<213> Aspergillus nidulans

<400> 24499

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 gaagatatca cggacgaaga ggactgggcg cagataggcg ccgctgagct gcgcgcgcgg 780
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 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 24500

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24501

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 aaaacaacac ctggttcccc gtactaacag gccgctctca gctctccttc tccttgctct 180
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gatcttcagc atcccaacga atacgtgcgg ggcaacaccc tgcgattcct ctgcaagctc 660
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<210> 24502
<211> 793
<212> DNA
<213> Aspergillus nidulans

<400> 24502

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cccaacaatc acccagctcc ccgagtcaat aggtccgctc cttgaaaccc attacggccg 180
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ggagcgagga gtagtgcagc gagccgacga gattgctgtt gtgggagatc gggtggggac 600
ggatgtgctc atggctaagg agatgggggc atggagtgtt tgggtgcggg acggagtcgg 660
ggaggaggtg acaaagggaa agaggaatgt gcttgaaaaa atggaagtct gggtagagcg 720
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<210> 24503
<211> 856
<212> DNA
<213> Aspergillus nidulans

<400> 24503

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cactccccgt tttgcttcta atctaggacg acgcgaagag ctaaacattg atgttgatgc 180
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<210> 24504
 <211> 972
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24504
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 aacagcccag ccacgacgtt aacttcgacg agtgggaagg tgatatgaaa tcgcgcgtct 180
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 gctttgtccc tgcgcgtttc tcccagccg acgagatcga cgattcattc ttccagtatc 360
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 tctactccga ctccggaaca ttccctaaac ccgcggtcaa cgccgaactc caccaccaac 480
 tcgagcaatg ggcctaaac ctcccatctg gtctgcagtt ctccgatata ccccaacag 540
 caaccgcggc aaccgcagca acaccagcat taaataccac ctcaccacaa acaactaccg 600

cctcgccgaa cccaaatccg atctctccgc atccccctctc ctcaactacc aacacgacca 660
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<210> 24505
 <211> 1384
 <212> DNA
 <213> *Aspergillus nidulans*

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 gacaatgacc aggagcctaa tctcaaactg accatcctga aaatgctgga gtcagcggca 240
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 aaggtactgg gaagacttct atgcttctgg aggccatgcg caaatcaat ggagacgggt 600
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 gtactgacgc acctccgag ttacatcggt agcctcttca gcattaaagg accgagggat 780
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<210> 24506
 <211> 778
 <212> DNA
 <213> *Aspergillus nidulans*

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 tggaaggctg aaggttgccc tccgattgag aagcctgcgg tctctgttga tgagtatctt 180
 ggggctcgtg ataaagcaat caagacatat gccacaagc gccttcgtgc ttctcctatg 240
 aactcactta atcttaagtt cctgtcagag agcgagtcac catctggatt tgacaggctc 300
 aaagagcccg aaagtgggc atttcctagg tggtaagaa gttgtctgac atgagtctag 360
 gttcaatgtt ctacttcag aatccctgat gcgagtgata gaggacgtcg aattcgacat 420
 tgatacggcg caaaccagtg aggataaaga agcggcagtc caagcaaaag ctagtaaaac 480
 ctggctgttg ttgcggcttt cagccaagag caagctcgca gcctttgaca agattgaaga 540
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 taatgggccc tcacaggatg agaaaatgga gaccgaaaca ggaagttctg ccgctgttgc 720
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<210> 24507
 <211> 814
 <212> DNA

<213> Aspergillus nidulans

<400> 24507

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agatgaacta cggaatcta aagcgggtgat tgataaagcg ctgttgattg gcaacaccga 780
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<210> 24508

<211> 1814

<212> DNA

<213> Aspergillus nidulans

<400> 24508

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ctatcggatg tcagtttgcg cactgaacga gatactgacg atagtatcct tacgaatgcg 180
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<210> 24509
 <211> 366
 <212> DNA
 <213> Aspergillus nidulans

<400> 24509

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aattcccccc gctttgaggg catcaagcgg ccctactcgg ctgccgatgt cgttagcaag 180
cggggatcgt tgcagcagac gtacccgagc tcgttgatgg cgcggaagct gtttaatctg 240
ttgaacgaga gagcggcaga gaataagcca gttcatacga gtatgctgct gtgcttgtga 300
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<210> 24510

<211> 879

<212> DNA

<213> *Aspergillus nidulans*

<400> 24510

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<210> 24511
 <211> 372
 <212> DNA
 <213> Aspergillus nidulans

<400> 24511

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 ccgagtcgct cttcaatatg aggtcgcaca agacccatgc cgcgttccgc aagcacgccg 180
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 aagcagtaca gtttctcgag cgtgaagcgg atggagccgc tcatcgatgc ccgcattcgt 300
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<210> 24512
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24512

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 aacctactct tgttgaatac cggctttttt caagccgtgg gggttatttc ctttgggtatg 180
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gacctgggcg cegtgttcga actgattggg gcgacaagcg cagcctcggt ggcctatatc 780
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 aagatgataa agagtaggtg tccctcctat ccataa 936

<210> 24513
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 <213> *Aspergillus nidulans*

<400> 24513
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<210> 24514
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<400> 24514
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 cgcggtact tggttgctcc gccgtctttg ctggcggggt taacgagcac caaaggccag 240
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 gccagcaatt ccgtcaaggg gccaggtctg aaaccccgcc gcagcattat gtggtcgtcc 1440
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 ggga 1504

<210> 24515
 <211> 298
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24515

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ccatcatggt ctttgccctg ctttgaaagc aggcaaccct gacgttgcg cgtatctttt 180
ggcttccggt gctcctatta ttcggagaac gccggaacat gttctctcct ccccgttaga 240
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<210> 24516
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<212> DNA
<213> *Aspergillus nidulans*

<400> 24516
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attactaggg cactactctt gggcgacttc gagaaagcgc ttgaccacgc tctcaaagag 180
gaccgaatgt ccgatgcgtt catgattgct attggttggtg ggcagaagtg catcgaaaaa 240
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tcgctcgtcg gcaagaacct ttgggatggt gtatacaatg ctgatctgtc caactggaag 360
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gccctcgggt accgtctcga ggaacacatt cgaaacactg gcgacaaagc atttcgcaaa 480
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gacaagtaca ttgagtatgc tgatgttggt gcgactcacg gacgtctaca ggttgctcag 780
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<210> 24517
<211> 986
<212> DNA
<213> *Aspergillus nidulans*

<400> 24517

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cctgtcccgt caaaacccgg tacgcatgag atctcgtcca cgtggcaggc cagcctgaca 180
gccggggctg tggtcggcga gattctcggc ctgctcgtca acgggtacct ggccgattac 240
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gagacgcttc gctgttgtca atggaacgtt tgttctgacc atcatcagga atcccctggg 420
gcatcttcca gactctgtcc acgacatatg ctgccgatgt catcccggtc gcgctccggg 480
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<210> 24518
<211> 299
<212> DNA
<213> Aspergillus nidulans

<400> 24518

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atgatttgat agtcaccact agcgatctat atcagcctat gctcgaagtg ccagacaaga 180
acctgagctc ggacgaggag aatggggatc accgtgaagt agtagcgaca atctgccagc 240
cttgtaagga ggacgctttg gctaaaggga agcagaaatc tgcctgaact ctgggaccg 299

<210> 24519

<211> 327
 <212> DNA
 <213> Aspergillus nidulans

<400> 24519

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 attgtaattg aagttatccg gaagaacaac tctgattatg acccgagca cctgaatgga 180
 cctgattcta ttccatccat gtacgaccc atctatctcg gcacactact tctgtgtttc 240
 gccaaacata taccgcgactt tgtggcggtg attagcagct caaagcatac ggttggtgat 300
 ggaggggaaga tgaagagcgt ggaacgt 327

<210> 24520
 <211> 475
 <212> DNA
 <213> Aspergillus nidulans

<400> 24520

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 ctgcaagggc ctaccgttgc cctatctgtc ctcgacccat caggaacgat ccatggctat 180
 gcagaagtcg aaagacacgc agacaaggac cggatatacc tccgcagcgg gacgatatgc 240
 aatccagggg gcatggcgca cctcggctgg ctgaggatgg acgatatgag agccgcctgg 300
 gacgccggac accgatgctc tcatcctatt caggaggtgg acgggaaacc gaccggaatc 360
 gtaagggatga gcctgggggc aatgagcaca atagctgata ttgagggttt tgctcgcttg 420
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<210> 24521
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24521

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ttgaagaaga ttaaggctgt agacaaggctc cgcaaggaac aacggcgtca gacaatcgat 180
 ggggatatcc cgggatacgt gaccttgctg gcgaggaggtt caagcgggaa gagtgtcctc 240
 gaatcggccg caaggagaag cgatattgta cagtatatcc ttgtcctggc agcagatctt 300
 ataaacggta tgccactgcc aacgcctgac tga 333

<210> 24522
 <211> 327
 <212> DNA
 <213> Aspergillus nidulans

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 agcaataata caggaggcga agcctcaacg ccaacgcagt cgacaataat caaagaaagg 180
 caggagaaat tgggtggttg ttggggaggc actgtctggg taattaatgt ctaccctgat 240
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<210> 24523
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 <212> DNA
 <213> Aspergillus nidulans

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 atgcagaagc acggtacgtt ggcactttcc gctcttcgac agggaagcga tgtgagaaga 180
 cgtgaggcaa tttgtgagat caaaaaattc gggttgataa ctaggcgg 228

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 <211> 735
 <212> DNA
 <213> Aspergillus nidulans

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 aatactcgcg cagcccacgc ccaggctctc cggaactca ttgcacggga caagaaccac 600
 cccagcgta tcatgtggtc gatcggaac gaaccgcgt ctgatgagcc aggtgcgoga 660
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 cagcctcaga ctcttagtaa aaaggagcag aagaaggcgc ggcgcttggt tccgcagccc 600
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690

<210> 24526
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<212> DNA
<213> Aspergillus nidulans

<400> 24526

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tgcccgcggg aattcgcgct ctttcgccc gaaacattgc cctgcccgcg cgatgtcgcg 720
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<212> DNA
<213> Aspergillus nidulans

<400> 24527

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acttactgac cattatctta agatcatcaa cttctacgcc gaggactacg gcaaggctcta 180
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cgcgtagcagc ggcggcgata tctgcggcat caactcgaac tatggcgata cctgtactct 300
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ttgcgagccc gagaaggctc gctactgctc cggttaa 397

<210> 24528
<211> 502
<212> DNA
<213> Aspergillus nidulans

<400> 24528

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<210> 24529
<211> 346
<212> DNA
<213> Aspergillus nidulans

<400> 24529

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cccgtggat gccctggtgt ttatcacaaa gacctcgctc gcacttgaga aggtcaagta 240
catcaacggc attattgaca aagctctgca ggctgatctt gcgaaacggc ctaagggtgg 300
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<210> 24530

<211> 306
 <212> DNA
 <213> Aspergillus nidulans

<400> 24530

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tcttatgaca attttgtcgg tgggaggggtg acaccacacg ccggcgccca tgcgacaggc 240
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<210> 24531
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 <213> Aspergillus nidulans

<400> 24531

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tgттаacggc cttcatcaga aaggcaaatt caaggacgca ctaggcaagg agaagaatta 180
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tggt 304
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<210> 24532
 <211> 570
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 <213> Aspergillus nidulans

<400> 24532

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atcaccggtg accacctgga ctctaaccg cttgcgcaat ttccaaccag gcaacccgcc 180
gccaatccgc cctcattacc cgatcaactc atgcagcgcc agctagactt ctggagtgca 240
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atcgggtcaact ttttgactct acatgacaac gaggccagcg ccgcgaaaga aattgatgac 300
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atcgcaatcg cgcgccatct aggccaacgg tgggcccact tcccgcacag cttcccgcag 420
cctattacca cgaacgagaa agacgccggg gccaaagcttt atgtcgctca gaaattcctt 480
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<210> 24533
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<213> *Aspergillus nidulans*
<400> 24533

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<210> 24534
<211> 1870
<212> DNA
<213> *Aspergillus nidulans*
<400> 24534

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<210> 24535
 <211> 844
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24535

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<210> 24536
 <211> 299
 <212> DNA
 <213> Aspergillus nidulans

<400> 24536

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 tccgaaacga cttccgggca tgctccctc tcgaggcaca gttgaccgtc cgtcgtgcct 180
 cggatccaat cttggacgcc tggaagggag cagcgcaatg ggcctctgga tcggggctgg 240
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<210> 24537
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24537

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 gatagggagg tacagcatga tcgaaccagt actaaccctg ccacctccca tgacctggct 180
 gagecgttca aagatgtacc tacgtctgac cgaggtattg cgctcttggt ggtgcgtgag 240
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 tggaatcaga agttccacgc acttgggtctt cagtgcgcag agctcactgg cgatacggac 540
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gatagcatga caaggaagtg gaaagaccat attcgactca tgcagcccggt gaagctcttc 660
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<210> 24538
 <211> 384
 <212> DNA
 <213> Aspergillus nidulans

<400> 24538
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 cgccgagagc gcgcaaatac tttggagagc catggggcccc cagatttgga ggccattctt 180
 cagcgcacgg tttcaggcgg taccagacga ccgactttca gcaacgccag tgttattcga 240
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<210> 24539
 <211> 408
 <212> DNA
 <213> Aspergillus nidulans

<400> 24539
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 cagcacatca agcaaggcga tgaagaggcg gccttgaaga cgaagctgca taacccttg 180
 gctgttttga cgcgcgagca gttgctgaaa gatgtcgagc agttcgctag agagaaaggt 240
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408

<210> 24540
<211> 234
<212> DNA
<213> Aspergillus nidulans

<400> 24540

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aaaggtatcc agcaactgga cgaagcagtc attcatgata gccgcaatcg caccattgtg 180
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<210> 24541
<211> 358
<212> DNA
<213> Aspergillus nidulans

<400> 24541

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tcaagcagtc gacctgcaga tcgagatgca gaccctctc caccgcattg gatggagttt 300
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<210> 24542
<211> 837
<212> DNA
<213> Aspergillus nidulans

<400> 24542

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<210> 24543
 <211> 2996
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24543
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 <211> 455
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24544
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<210> 24545
 <211> 628
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 24546
 <211> 609
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24546

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<210> 24547
 <211> 1311
 <212> DNA

<213> Aspergillus nidulans

<400> 24547

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<211> 918

<212> DNA

<213> Aspergillus nidulans

<400> 24548

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<211> 1305

<212> DNA

<213> *Aspergillus nidulans*

<400> 24549

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 <211> 516
 <212> DNA
 <213> *Aspergillus nidulans*

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 gattagtac ggtattgtc gtgtccatgg catgaccaac gtccaggctg aggagctggt 360
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<210> 24551
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 <212> DNA
 <213> Aspergillus nidulans

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<210> 24553
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 <213> *Aspergillus nidulans*

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<211> 865
<212> DNA
<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*

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<211> 444
<212> DNA
<213> *Aspergillus nidulans*

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<211> 543
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<213> *Aspergillus nidulans*

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<212> DNA
<213> *Aspergillus nidulans*

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<210> 24559
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 24560
<211> 1534
<212> DNA
<213> *Aspergillus nidulans*

<400> 24560

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<210> 24561
 <211> 471
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24561
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<210> 24562
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 <212> DNA
 <213> *Aspergillus nidulans*

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<212> DNA
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<400> 24573

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<400> 24579

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<400> 24582

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 <213> Aspergillus nidulans

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<210> 24584
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 <213> Aspergillus nidulans

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<210> 24587

<211> 273

<212> DNA

<213> *Aspergillus nidulans*

<400> 24587

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<210> 24588

<211> 1774

<212> DNA

<213> *Aspergillus nidulans*

<400> 24588

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 <213> *Aspergillus nidulans*

 <400> 24591

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 <213> *Aspergillus nidulans*

<400> 24596

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 <213> Aspergillus nidulans

 <400> 24597

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 <213> *Aspergillus nidulans*

<400> 24598

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 <213> Aspergillus nidulans

<400> 24599

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24600

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<210> 24601
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 <212> DNA
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<400> 24601

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 <213> *Aspergillus nidulans*

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<210> 24603
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<212> DNA
<213> *Aspergillus nidulans*

<400> 24603

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<210> 24604
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<212> DNA
<213> *Aspergillus nidulans*

<400> 24604

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<210> 24605
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<212> DNA
<213> *Aspergillus nidulans*

<400> 24605

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 <213> *Aspergillus nidulans*
 <400> 24606

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 <213> Aspergillus nidulans

<400> 24607

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<400> 24608

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<212> DNA
 <213> Aspergillus nidulans

<400> 24609

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<400> 24610

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24611

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<210> 24612

<211> 459

<212> DNA

<213> *Aspergillus nidulans*

<400> 24612

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<210> 24613

<211> 267

<212> DNA

<213> *Aspergillus nidulans*

<400> 24613

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<210> 24614
<211> 528
<212> DNA
<213> Aspergillus nidulans

<400> 24614

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<210> 24615
<211> 799
<212> DNA
<213> Aspergillus nidulans

<400> 24615

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tctcgacctc ttccaaatgg caccgacaacc gttattgtca agcatgcgga agaatatctc 180
gcttcaaact cagattttta gctgactgca aagcgatgtg tatggcttgt cttttctgtc 240
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ggggtctcaaa ggagtgggta ctgtctatcg gccgcactat aggttcctgg ctacgtttat 540
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<210> 24616
 <211> 447
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24616
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 caggactcta gcgatataga caaccaactc gtccggaaca cgtctgtctt tacttggaag 180
 gacctctgct ataccgtcaa gactccgagt ggtgatcgtc agttgctcga ccatgtctat 240
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 agccactgct aacaagtcta gggatcatcc ggtgccgga agacgacact cctcgacgtc 360
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 cttcctgtat cgttccaacg ttcagcc 447

<210> 24617
 <211> 1453
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24617
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 ttgtgaggtg ttg 1453

<210> 24618
 <211> 1404
 <212> DNA
 <213> Aspergillus nidulans

<400> 24618

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agtgggcctg ctacttgctg ttttaacgct atccagaaag caaccaacgg tttgaatgcg 240
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<210> 24619
 <211> 962
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24619

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attcagggca aggctcgtga gcagaattcc aatgcattcg agacacatca acagaaggag 180
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<210> 24620
 <211> 249
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24620

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 tactcggaat atattgctcg taatggacca atatcactca gctgggtcca gcagccgttc 180
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 gactggagc 249

<210> 24621
 <211> 353
 <212> DNA
 <213> Aspergillus nidulans

<400> 24621

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tcccgatatga acgccgaaca attcacacct gtcgaacgca cagatcattt actccaacgg 120

ctctgcaaag aaggctactt agtcaagaac cgggagatgg acggtggaga tgaaatcatt 180

gagtatatgg ttgggccgcg gggaaagggt gaagtcggtg cgagaggcgt agctgggccc 240

ctgagggaag tcaacgggtcc ccaggctatg attgaagatg acgatatcac tcccgccgag 300

agggagaggt tagaggaatt cgagattcgg ttggcaaata gtcttggggt tag 353

<210> 24622

<211> 872

<212> DNA

<213> *Aspergillus nidulans*

<400> 24622

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gagaaactgg agcgggatca cggctggagc gaagacgaat ttgattttat ccaccaattc 180

atgaggacgt tgctggtaaa acgtacagaa acccaacgat ggaatttgat ctattctaac 240

ccactgtaga tggcgcgtct ctgatataca ccaagccctt tcatgcaaac aaccttcaca 300

gcgtactgca ttcctctctc ggtatacatt ctctcctaaa gaagttatct ctcaaagcca 360

atttcacga gcgtgacaag attctgatac cgacgaactg ggattcatgg gcgaaaatcc 420

gagtcatccg agaagggctc aacttggagg gtatttcgac agcttgggtc atcgagattc 480

aggatccgcc tgagccactc agtgacagga atgatgaggc ccaggacgat ggttcttctg 540

aagaagacga tgggaccagt gccgtaaaga tatacgagca gacgatcaag gatcccaagc 600

ggaacacctc actgtcatat ccaggaagcc aacagagtgg gaacaagatt gaggtcgaga 660

cattagatat gcaaggtttc ctcaccaaac agctggaggt cttggagcag ctgaagattg 720

aggatgagaa agaccgcgca gccaaagaaga ccctcagtt ggagatgtcc ccgttagagg 780

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ttgacgccga tgacatgctc cagaagctga ag 872

<210> 24623
 <211> 367
 <212> DNA
 <213> Aspergillus nidulans

<400> 24623

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<210> 24624
 <211> 564
 <212> DNA
 <213> Aspergillus nidulans

<400> 24624

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<210> 24625
 <211> 477
 <212> DNA
 <213> Aspergillus nidulans

<400> 24625

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aagcgcttcg ccggtctcat gggtcagctt ttgcaaccgac tctccatccg ttccactaac 180
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gactttgcgg actcgttcaa ggatgacacc attagtatca gcaactacag tttgagtgcg 420
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<210> 24626

<211> 363

<212> DNA

<213> *Aspergillus nidulans*

<400> 24626

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<210> 24627

<211> 441

<212> DNA

<213> *Aspergillus nidulans*

<400> 24627

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<210> 24628
 <211> 1265
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24628

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<210> 24629
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24629

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<210> 24630
 <211> 2394
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24630

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 <213> Aspergillus nidulans

<400> 24631

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<210> 24632
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<400> 24632

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 cactgctgcc gttaacggcc tgcgcaccta tgctaccgca gcccaggagg ttaagcctcc 240
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<400> 24633

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<212> DNA
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<400> 24635

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<212> DNA
<213> Aspergillus nidulans

<400> 24636

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gttggccgtg ccaacggcga tatcgaaata tggaatcctg cgcgtggtgc atggttccag 180
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<210> 24637
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<212> DNA
<213> Aspergillus nidulans

<400> 24637

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<210> 24638
<211> 785
<212> DNA
<213> Aspergillus nidulans

<400> 24638

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<210> 24639
 <211> 1134
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 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 24639

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<212> DNA
<213> Aspergillus nidulans

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<210> 24641
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<212> DNA
<213> Aspergillus nidulans

<400> 24641

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 <212> DNA
 <213> Aspergillus nidulans

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 <211> 3372
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 <213> Aspergillus nidulans

<400> 24644

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 <213> Aspergillus nidulans

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<400> 24647

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<213> *Aspergillus nidulans*
<400> 24648

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<210> 24649
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<213> Aspergillus nidulans

<400> 24649

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<212> DNA

<213> Aspergillus nidulans

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<400> 24651

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<400> 24652

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<400> 24656

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<400> 24667

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<400> 24676

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 <211> 628
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24677

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 <213> Aspergillus nidulans

<400> 24678

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 acaatgactg cattgtccat tcatgggtccc aagaaacaag gcgggatcgg tctcgcagac 180
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 <213> Aspergillus nidulans

<400> 24679

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 ccagagacta catttaccac caactcaagc tccaccgctt tgccggtggc aatagttccg 180
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<210> 24680
<211> 296
<212> DNA
<213> Aspergillus nidulans

<400> 24680

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<210> 24681
<211> 282
<212> DNA
<213> Aspergillus nidulans

<400> 24681

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tctaccacct acgcatggt gggcgcccta aacaagcttc ctcttgcggt cgccggcatt 180
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<210> 24682
<211> 780
<212> DNA
<213> Aspergillus nidulans

<400> 24682

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<210> 24683
<211> 591
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 24683

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<210> 24684
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<212> DNA
<213> Aspergillus nidulans
<400> 24684

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 ggcgccgaat gcaagatctg caccgcccct ttcaccatct tccgctggaa agccgaccgg 180
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 24686
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 <212> DNA
 <213> *Aspergillus nidulans*

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 <211> 877

<212> DNA
 <213> Aspergillus nidulans

<400> 24687

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24688

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<210> 24689
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 <400> 24689

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<210> 24690
 <211> 276
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 <400> 24690

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<210> 24691
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<212> DNA
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 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

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<212> DNA
<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

<400> 24697

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<211> 396

<212> DNA

<213> *Aspergillus nidulans*

<400> 24698

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<210> 24699

<211> 507

<212> DNA
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 <223> unsure at all n locations
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<400> 24702

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<210> 24703

<211> 1200

<212> DNA

<213> *Aspergillus nidulans*

<400> 24703

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<210> 24704
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 24704

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<212> DNA
<213> Aspergillus nidulans

<400> 24705

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<210> 24706
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<212> DNA
<213> Aspergillus nidulans

<400> 24706

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<212> DNA
<213> Aspergillus nidulans

<400> 24707

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402

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<211> 1617
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
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 <212> DNA
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<213> Aspergillus nidulans

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<210> 24724
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 <212> DNA
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<400> 24724

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<210> 24725
 <211> 217
 <212> DNA
 <213> Aspergillus nidulans

<400> 24725

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<210> 24726
 <211> 613
 <212> DNA
 <213> Aspergillus nidulans

<400> 24726

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<210> 24727
 <211> 1775
 <212> DNA
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<400> 24727

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<210> 24728
 <211> 397
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24728

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 ttgaacagtc atggcctagc attctggtgg gagcttcagg atgcggtaaa acaacattga 180
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<210> 24729
 <211> 475
 <212> DNA

<213> Aspergillus nidulans

<400> 24729

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<210> 24730

<211> 741

<212> DNA

<213> Aspergillus nidulans

<400> 24730

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<210> 24731
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24731

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<210> 24732
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 <213> Aspergillus nidulans

<400> 24732

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<210> 24733
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 <213> *Aspergillus nidulans*

<400> 24733

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 <211> 467
 <212> DNA
 <213> Aspergillus nidulans

<400> 24734

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<210> 24735
 <211> 417
 <212> DNA
 <213> Aspergillus nidulans

<400> 24735

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<210> 24736
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24736

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 <213> *Aspergillus nidulans*

<400> 24737

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<210> 24738
<211> 815
<212> DNA
<213> Aspergillus nidulans

<400> 24738
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<210> 24739
<211> 249
<212> DNA
<213> Aspergillus nidulans

<400> 24739
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<210> 24740
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 <212> DNA
 <213> Aspergillus nidulans

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<210> 24741

<211> 615
 <212> DNA
 <213> Aspergillus nidulans

<400> 24741

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<400> 24742

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<400> 24743

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 <213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

<400> 24746

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<400> 24747

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<400> 24748

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<400> 24749

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<400> 24752

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<400> 24753

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<400> 24754

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 <213> *Aspergillus nidulans*

<400> 24755

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<400> 24756

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<210> 24757

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<212> DNA

<213> *Aspergillus nidulans*

<400> 24757

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 <213> Aspergillus nidulans

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<210> 24759
 <211> 287
 <212> DNA
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<210> 24760
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<212> DNA
<213> Aspergillus nidulans

<400> 24760

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<210> 24761
 <211> 565
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24761

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<210> 24762
 <211> 552
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 <213> *Aspergillus nidulans*
 <400> 24762

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<210> 24763
<211> 615
<212> DNA
<213> *Aspergillus nidulans*

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<210> 24764
<211> 798
<212> DNA
<213> *Aspergillus nidulans*

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<210> 24765
 <211> 434
 <212> DNA
 <213> Aspergillus nidulans

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<210> 24766
 <211> 1658
 <212> DNA

<213> Aspergillus nidulans

<400> 24766

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<212> DNA
<213> Aspergillus nidulans
<400> 24767

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<400> 24768

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24769

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<211> 722
<212> DNA
<213> Aspergillus nidulans
<400> 24770

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<210> 24771
<211> 1949
<212> DNA
<213> Aspergillus nidulans
<400> 24771

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<400> 24772

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<400> 24773

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 aagggcatct ggtctaccta cgctgacgca gagaatccgg tctgggacga cttcccgggt 480
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 <213> *Aspergillus nidulans*
 <400> 24774

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 <212> DNA
 <213> *Aspergillus nidulans*

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 <212> DNA
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<400> 24777

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gtttggatct cccagctatt gggtaggca gaccagcgct gaatatttgc aaaccgtgat 480

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<210> 24778

<211> 377

<212> DNA

<213> *Aspergillus nidulans*

<400> 24778

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<400> 24779

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<400> 24780

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<212> DNA
<213> Aspergillus nidulans

<400> 24782

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<212> DNA
<213> Aspergillus nidulans

<400> 24783

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<213> *Aspergillus nidulans*

<400> 24785

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<210> 24786
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<212> DNA
<213> Aspergillus nidulans

<400> 24786

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<210> 24787
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<213> Aspergillus nidulans

<400> 24787

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<211> 489
<212> DNA
<213> Aspergillus nidulans
<400> 24788

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<210> 24789
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<400> 24790

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<400> 24791

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 <213> *Aspergillus nidulans*

<400> 24793

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 <213> *Aspergillus nidulans*

<400> 24794

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<211> 486
<212> DNA
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<400> 24795

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<400> 24796

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 <213> Aspergillus nidulans

<400> 24797

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<213> Aspergillus nidulans

<400> 24798

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<212> DNA
<213> Aspergillus nidulans

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<400> 24802

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<400> 24803

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<212> DNA
<213> *Aspergillus nidulans*
<400> 24804

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 <400> 24805

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 <211> 676
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 <213> Aspergillus nidulans
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 <211> 405
 <212> DNA
 <213> Aspergillus nidulans
 <400> 24807

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<210> 24808
<211> 630
<212> DNA
<213> Aspergillus nidulans

<400> 24808

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<210> 24809
<211> 918
<212> DNA
<213> Aspergillus nidulans

<400> 24809

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 <211> 614
 <212> DNA
 <213> *Aspergillus nidulans*

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 cccagtccct tctcaagctc cagatccaga acctgagcac tatggatgcg gactggatgt 480
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614

<210> 24811
<211> 270
<212> DNA
<213> Aspergillus nidulans

<400> 24811

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<210> 24812
<211> 612
<212> DNA
<213> Aspergillus nidulans

<400> 24812

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<210> 24813
<211> 1075
<212> DNA

<213> Aspergillus nidulans

<400> 24813

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<210> 24814

<211> 762

<212> DNA

<213> Aspergillus nidulans

<400> 24814

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<210> 24815
<211> 285
<212> DNA
<213> *Aspergillus nidulans*

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<210> 24816
<211> 702
<212> DNA
<213> *Aspergillus nidulans*

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<210> 24817
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24817

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<210> 24818
<211> 330
<212> DNA
<213> *Aspergillus nidulans*

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<210> 24819
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<212> DNA
<213> *Aspergillus nidulans*

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<212> DNA
<213> Aspergillus nidulans

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<400> 24823

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<212> DNA
<213> Aspergillus nidulans

<400> 24824

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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
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<400> 24827

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<400> 24828

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<400> 24829

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24831

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24832

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 <213> *Aspergillus nidulans*

<400> 24833

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24834

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<210> 24835
 <211> 378
 <212> DNA
 <213> Aspergillus nidulans

<400> 24835

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<210> 24836
 <211> 627
 <212> DNA
 <213> Aspergillus nidulans

<400> 24836

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 <213> *Aspergillus nidulans*

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 <211> 446
 <212> DNA
 <213> Aspergillus nidulans

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<210> 24839
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<400> 24839

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<210> 24840

<211> 1313

<212> DNA

<213> *Aspergillus nidulans*

<400> 24840

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<210> 24841
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<212> DNA
<213> *Aspergillus nidulans*

<400> 24841

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 <400> 24842

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<212> DNA
<213> *Aspergillus nidulans*

<400> 24843

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<210> 24844
<211> 501
<212> DNA
<213> *Aspergillus nidulans*

<400> 24844

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<210> 24845
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<400> 24845

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<400> 24849

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 <213> *Aspergillus nidulans*
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 <213> *Aspergillus nidulans*

<400> 24851

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<210> 24852

<211> 890

<212> DNA

<213> *Aspergillus nidulans*

<400> 24852

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24853

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<212> DNA
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 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

<400> 24856

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 <212> DNA
 <213> Aspergillus nidulans

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<212> DNA
<213> *Aspergillus nidulans*

<400> 24858

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 <213> Aspergillus nidulans

<400> 24859

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<400> 24860

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 <213> Aspergillus nidulans

<400> 24861

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<400> 24862

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<400> 24863

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<211> 387
<212> DNA
<213> Aspergillus nidulans

<400> 24864

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<210> 24865
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<212> DNA
<213> Aspergillus nidulans

<400> 24865

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 <213> *Aspergillus nidulans*
 <400> 24866

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<210> 24867
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 24867

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<210> 24868

<211> 345

<212> DNA

<213> *Aspergillus nidulans*

<400> 24868

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<210> 24869

<211> 1655

<212> DNA

<213> *Aspergillus nidulans*

<400> 24869

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 <213> *Aspergillus nidulans*

<400> 24871

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 <213> Aspergillus nidulans

<400> 24872

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<400> 24873

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 <213> *Aspergillus nidulans*

<400> 24874

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 <213> *Aspergillus nidulans*

<400> 24875

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<210> 24876

<211> 1083

<212> DNA

<213> *Aspergillus nidulans*

<400> 24876

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<213> *Aspergillus nidulans*

<400> 24877

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<400> 24878

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<210> 24879
 <211> 785
 <212> DNA
 <213> Aspergillus nidulans

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<210> 24880
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 <213> Aspergillus nidulans

<400> 24880

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<212> DNA
<213> *Aspergillus nidulans*

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<210> 24882
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<212> DNA
<213> *Aspergillus nidulans*

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<210> 24883
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 <212> DNA
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<400> 24883

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<212> DNA
<213> *Aspergillus nidulans*
<400> 24884

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 24886
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 <213> *Aspergillus nidulans*

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<210> 24887
 <211> 327
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 24887

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<210> 24888
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 <212> DNA
 <213> *Aspergillus nidulans*
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 <213> *Aspergillus nidulans*
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 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

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 <212> DNA
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<400> 24893

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<400> 24894

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<210> 24895

<211> 770

<212> DNA

<213> Aspergillus nidulans

<400> 24895

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<211> 460

<212> DNA

<213> Aspergillus nidulans

<400> 24896

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<210> 24897

<211> 654

<212> DNA

<213> *Aspergillus nidulans*

<400> 24897

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<210> 24898

<211> 831

<212> DNA

<213> *Aspergillus nidulans*

<400> 24898

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<211> 1572

<212> DNA

<213> *Aspergillus nidulans*

<400> 24899

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<211> 645
<212> DNA
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<400> 24902

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 <212> DNA
 <213> Aspergillus nidulans

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<400> 24905

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<210> 24906
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 <212> DNA
 <213> *Aspergillus nidulans*

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<400> 24908

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<400> 24911

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<210> 24914
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 <213> Aspergillus nidulans

<400> 24915

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<210> 24916
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 <212> DNA
 <213> Aspergillus nidulans

<400> 24916

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<212> DNA
<213> Aspergillus nidulans

<400> 24918

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<213> *Aspergillus nidulans*

<400> 24920

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<210> 24921
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 <213> Aspergillus nidulans
 <400> 24921

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<213> *Aspergillus nidulans*

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<210> 24926
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<212> DNA
<213> Aspergillus nidulans

<400> 24926

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<212> DNA
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<400> 24927

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<400> 24928

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<213> *Aspergillus nidulans*

<400> 24929

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<212> DNA
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<400> 24933

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<400> 24934

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<400> 24939

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<400> 24940

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<213> *Aspergillus nidulans*

<400> 24941

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<400> 24942

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<213> *Aspergillus nidulans*

<400> 24945

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<210> 24946

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<212> DNA

<213> *Aspergillus nidulans*

<400> 24946

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<212> DNA
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<400> 24947

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<400> 24950

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<213> *Aspergillus nidulans*

<400> 24951

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<210> 24952

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<212> DNA

<213> *Aspergillus nidulans*

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<212> DNA

<213> *Aspergillus nidulans*

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<400> 24955

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<400> 24956

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<400> 24958

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<212> DNA
<213> Aspergillus nidulans

<400> 24959

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<212> DNA
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<212> DNA
<213> Aspergillus nidulans

<400> 24961

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<400> 24962

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 <400> 24965

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<213> *Aspergillus nidulans*

<400> 24967

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<212> DNA
<213> Aspergillus nidulans

<400> 24968

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<400> 24974

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<400> 24983

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<400> 24984

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 <400> 24986

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 gcggcccttc cgaagtccgt ccacacagcg gtccgcgcaa cgctgcagtc tgttttgggc 240
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 <213> Aspergillus nidulans

<400> 24989

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 <213> Aspergillus nidulans

<223> unsure at all n locations
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<400> 24991

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 <212> DNA
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 <212> DNA
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 <400> 24993

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 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 24995

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 <213> *Aspergillus nidulans*

 <400> 24996

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<400> 24997

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<210> 24998

<211> 322

<212> DNA

<213> *Aspergillus nidulans*

<400> 24998

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<210> 24999

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<212> DNA

<213> *Aspergillus nidulans*

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<210> 25000
<211> 1282
<212> DNA
<213> Aspergillus nidulans

<400> 25000

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<212> DNA
<213> *Aspergillus nidulans*

<400> 25001

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<210> 25002
<211> 474
<212> DNA
<213> *Aspergillus nidulans*

<400> 25002

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<210> 25003
<211> 1447
<212> DNA
<213> *Aspergillus nidulans*

<400> 25003
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<210> 25004
<211> 1719
<212> DNA
<213> *Aspergillus nidulans*

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<210> 25005
<211> 656
<212> DNA
<213> *Aspergillus nidulans*

<400> 25005

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<210> 25006
 <211> 465
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 25007
 <211> 740
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25007
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<210> 25008
 <211> 645
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25008

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 cagacgatga tgacggccga ttctcacaca aatgtgtttg gccgaaccgg caatccatat 600
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<210> 25009
 <211> 843
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25009

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<210> 25010
<211> 217
<212> DNA
<213> Aspergillus nidulans

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<210> 25012
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<210> 25013
<211> 1119
<212> DNA
<213> Aspergillus nidulans

<400> 25013

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<210> 25014
<211> 523
<212> DNA

<213> Aspergillus nidulans

<400> 25014

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<210> 25015

<211> 1473

<212> DNA

<213> Aspergillus nidulans

<400> 25015

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<210> 25016
<211> 1503
<212> DNA
<213> Aspergillus nidulans
<400> 25016

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cagacgatga ttagacatg gtgatgggcg gtacagagga cgttttgcaa atggcccaaa 540
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<210> 25017
 <211> 281
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25017

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 tggtgaagg ctaactagct cagtatcaag tcggggcatt cgacccatgg ggaggacccg 180
 ggttcgaaca atgcgccgct cttacgggct acgagtttga aagagtattc cacaagaaca 240
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<210> 25018
 <211> 781
 <212> DNA

<213> Aspergillus nidulans

<400> 25018

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tgaaactggg attccgactt tccgactcta tgctcctgct gacacttcca gcctccgcta 180
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gatggaacat gcgactgtat gtcattgcaat gatagctcga tgtggcagaa gctgacggga 480
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cgtcgcgggc ctgagccatc tagggacaag ccacctgatt ataagcaccg agtccaatct 660
gcccaggaag caaccacgca gcaacatccc tctctccgc cacctagtcc aggacctcta 720
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<210> 25019

<211> 448

<212> DNA

<213> Aspergillus nidulans

<400> 25019

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ttcatggtac ctctagtggc cttgttacga ttctacagac tgacgggagc agattggaat 180
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tctcgcttat cagtcgcgtg ccaacaatga catgaaagtc ttcatatcgt tcgatttcaa 360
ctggtataac accggccaag gataccaggt tgggcagaag atcgccaat acgcgaacct 420

cccagcgag ctttaaggctg acggcaaa

448

<210> 25020
<211> 336
<212> DNA
<213> Aspergillus nidulans

<400> 25020

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attgccaaga agtacaagaa gtcgacacaa caagtcctga tacgctacgc attgcagaag 180
ggatgggtcc cgttaccgaa gactgataat tcagagcgca ttgtgtcaaa tgccgacgta 240
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gctggagcca ttgtggaggc tgttgagaat gtagtag 336

<210> 25021
<211> 429
<212> DNA
<213> Aspergillus nidulans

<400> 25021

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tggtaccttc aaacgacact caaggcggcc gtatacagca taaagctcaa acttgagtgc 180
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gctgcaccac ctcaacggaa tgaccgtgac cggatacagt acccggtggc cagctctacc 360
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ccgccgtaa 429

<210> 25022
<211> 1113
<212> DNA
<213> Aspergillus nidulans

<400> 25022

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 gttcgcgcgt ttgccttttg ggaattgtgc ttcattagcc agcagttccc tgaccgacga 180
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 tcagccacgg aggtaatcca aggcatacaca agccggataa atgagcaaaa gttggggcct 300
 gcgaaatcta agccatcgcc agctgaaacc aaatccgagc ccacccttcg caccctgccc 360
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 gcgaaggggg ctgcgggggtt tgatgaggag tga 1113

<210> 25023
 <211> 355
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25023

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 acagaacgca ttgtggaat cggtccagca gacactttgg gtggaatggc acgaagaacc 180
 cttgcctcca aatatgaagc atatgatgcg gccacatctg tgcagcgtca aatactttgt 240

tacaacaagg atgcgaaaga aatctattac gacgttgatc cagtggaga agaaaccgag 300
tccgcacccg aggctgcagc tgctccgcca acgtctgctg ctccggccgc cggcc 355

<210> 25024
<211> 487
<212> DNA
<213> Aspergillus nidulans

<400> 25024

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caaaagggcc tccatgtatg tattgcacgc ctttctctcc aactccact aaccactgct 120
atagaatcga tggcatccag atagtatgcg tctccaatct actttccatt ctacgcaaca 180
aatctgacaa acttcaagtc cctagctacg gcacaatcgc caacaacgaa gtcgtcaaga 240
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ggggattcac ggggtgtcttc gcgcgggaga atggcggcgg gtttcttgat gagatctacc 480
cagagcc 487

<210> 25025
<211> 607
<212> DNA
<213> Aspergillus nidulans

<400> 25025

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acaggttact tggaagaata agcacgactt cttgaggctg tccctagaca acattgataa 540
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cgcttaa 607

<210> 25026
<211> 601
<212> DNA
<213> Aspergillus nidulans

<400> 25026

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tgcgctcact tgtccggaaa caccctgttg gatgtcgccc atctgcaggg gccacagtgg 180
tgacggactc aaggcggctc ttccgggctt ttactgtaag aataagggac ataaaccatc 240
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tgcgctaaag actgatatcg agggtaagga ggtaagggtg aaggcccttg aggctgatct 540
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a 601

<210> 25027
<211> 1026
<212> DNA
<213> Aspergillus nidulans

<400> 25027

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atgagatctg atcagccaag gattttggta tctagtcagg ccagcaagtc tgttcaatca 240
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aaagagcccc ggtagggcgc tgagaaaccg caaaccgccg gggtagaatca aacacaacag 360
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<210> 25028
 <211> 468
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25028
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 ttgcctcta tattgcagaa agatccctct ccggggacgc gggcggtgt cttcttcgcg 180
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 ggcttgacc ttgcctctgt atttccaggt tacatcaata tccgtcgggg cgcctatata 300
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 ctgactgttc tttcggggta tggcgtcttc ttggctccta tgacgggtct catggcggcg 420
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<210> 25029
 <211> 417
 <212> DNA

<213> Aspergillus nidulans

<400> 25029

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caacttcgac aagaactttt ggaggggaaa ttcagtcact taagccttga tgacagtgct 180
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aaaacggcag tcagcaaagc cccccacact ctaacaaagg ttcttgatcc aaaaatcctc 360
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<210> 25030

<211> 357

<212> DNA

<213> Aspergillus nidulans

<400> 25030

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<210> 25031

<211> 2715

<212> DNA

<213> Aspergillus nidulans

<400> 25031

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cacgaagtca tccatcagaa tgccaggaaa cgctctcacg ctctggctct cgagtcatgg 180
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 gtcgcagcta caagatgctt tctcgtcaag tgtattccca cagctttcaa gctctctcta 2640
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 acggcattca ccctt 2715

<210> 25032
 <211> 260
 <212> DNA
 <213> *Aspergillus nidulans*
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 <213> *Aspergillus nidulans*

<400> 25033

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<400> 25035

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<400> 25036

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<400> 25037

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<400> 25038

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<400> 25040

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<400> 25045

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<213> *Aspergillus nidulans*

<400> 25046

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<213> *Aspergillus nidulans*

<400> 25047

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<210> 25048

<211> 957

<212> DNA

<213> *Aspergillus nidulans*

<400> 25048

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<210> 25049
 <211> 392
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25049

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<210> 25050
 <211> 432
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25050

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<212> DNA
<213> *Aspergillus nidulans*

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<211> 513
<212> DNA
<213> *Aspergillus nidulans*

<400> 25052

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<210> 25053

<211> 561
 <212> DNA
 <213> Aspergillus nidulans

<400> 25053

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 <212> DNA
 <213> Aspergillus nidulans

<400> 25054

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<211> 324
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 <213> Aspergillus nidulans

<400> 25055

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 <211> 1731
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 <213> Aspergillus nidulans

<400> 25056

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 <213> *Aspergillus nidulans*
 <400> 25057

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<210> 25058
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25058

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<210> 25059

<211> 988

<212> DNA

<213> *Aspergillus nidulans*

<400> 25059

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<210> 25060

<211> 1590

<212> DNA

<213> *Aspergillus nidulans*

<400> 25060

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gagccagagc ctggatttgg ccaggataat tactctctt acaagttctg gggtcaccca 660
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<210> 25061
<211> 621
<212> DNA
<213> *Aspergillus nidulans*

<400> 25061

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gcgggagaag ttgtcgccgc gagaaacgat gtctgtggcg tgggtgttgc ctatgacagt 120
 cggattgctg gaatccgaat cttgtccgga cctattgacg acaccgacga ggctagcgcc 180
 atcaactatg cttatcagga aaacgatatt tactcgtgct cttgggggtcc tcctgacgac 240
 ggcgctacga tggatgctcc cggatcctc gtcagtcggg caattgtcaa tgggtgtccag 300
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 attgaccgag agggacagca tccccaatat tcagagtcct gctccgcca gcttgtggtt 480
 gcttacagta gtggaatttc ggatgcaatc tccaccactg atgttggtac agaccggtgc 540
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 ctttgagtgt tcgtcccgaa c 621

<210> 25062
 <211> 1200
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25062

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 attaaagcag agatcgaaac ggcgctgtcc cagaagaatg ctgaactacg ccggctgcgc 180
 gaggagctgg agagcgcgcg cgataaagtc aaggaactcc aacagcagat ctctgcccag 240
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 cgcagttcca tccaccgtg gagagccaca actctaaccg tgctatcccg tcgacaagcc 660
 ttcgcaaac agcgtgacag cgatactgaa gcggtcgcgc tcgagatttt cgacactctc 720
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<210> 25063
<211> 302
<212> DNA
<213> Aspergillus nidulans

<400> 25063
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tcaagcgtat ctctgccatg atctacgaag agaccctggg tgttctaaag tcttttctcg 180
aatccgttat ccgtgacgcc gtcacctaca ccgaacacgc taagcgcaag accgtcacct 240
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ag 302

<210> 25064
<211> 931
<212> DNA
<213> Aspergillus nidulans

<400> 25064
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aagaagcgtg atggcctgtc gtcgacgttc aagggttgtt tgagtagaat cattgatgaa 180
cctgactaaa gtgaaataga ttctggaacc tgttctgcag aaatctgcct caagtcgaag 240
tcgatttttc agttctcgcc gatcgaacac tgagtttttc cgtgaatatg acgagttcta 300
catccccgcc gagagttacg gcattaacct gttccattcg tcccttgcta tatcgacca 360

gaaaggcatc gagattctaa cgctcgataa aaaacagact tggctctgtcc ctgagttccg 420
 caccgacgcc caggaagccc aggtcacct cagtgagatt ggccgccgga ttagtgggtct 480
 tcgaccgctg ggtatgttcc gtctcagcga cacggagttt ctggttacct acaccgagtg 540
 tgcggtttac gtcaatcagc acggcgacgt ctctcgcagt gtggctcctag aatttgtcgg 600
 tcgcgctcac tcggcttgtc ttacaggcaa gttcctgatt ctcttcaacg acgactttgt 660
 cgaggtccgc aacgccatga atggtcggtt acgccaggtc attcccggcc acaatgttgt 720
 ctgccttgat gatggtagcc gcctccctgg ctccggagtg aacagtatac caaccagctc 780
 tggcgacacc gtcaatctct ccagtggcat ctgcaatgga gctccgttgg ctaaccaagg 840
 ccgcacggtc aagatttgca tgcagcatcc tactacgcg cggaacctgg ttgtccttga 900
 gcttattgag aacgagggct cgaaagatta a 931

<210> 25065
 <211> 435
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25065
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 ttctctctct ggctccgcct ctcgatgtac cttggcatcg tgtccgtggc cctcattata 180
 tcctttaact tcaaggcgca gccgacgccg ttggagcgcc gcatggccct gccgatgggg 240
 attatcttct ggggtgctgag cctggtgagt ctgagtaatg ggctggcaaa ctatgtgcgc 300
 acggtcaaga agtatagtcg caaggcggcg cttgtgcaga gtgggtggaa gacgcagctg 360
 acgtttattg ttgtgggagg tgcattttg ggaagctgta ttgtgttgct cgttacggat 420
 gcacatagat attga 435

<210> 25066
 <211> 673
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25066
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gggggtggga ccaacgcaa catcttccg atgcagtgtc gcgtcctcgc tcgcatgctc 120
 cagccgtact ttgcctggt cttcgagag gcgcctcttg ctgcactacc aggctccgac 180
 gtaaccgctg cttacaaaga ctacggtccg tttaaagcct ggctgcgtgt tcgagacgaa 240
 gacccggttc ttgacgcaca ccacatcgtc agcaagatcg aggactccct gaaagcagcc 300
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 caaggcgcgc atctgcgcgc cagtatcctg gccaacccagc aggagctggg acggcgcgcc 420
 ggagatgatg cggcccgcc agtctatcga ttcggagtgc tccttgctgg acgaggaccg 480
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 acgacgggaa tggagagaga atacgagcct ttcgtgaaca gtcaccgta ccgcttgagc 600
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 cagcatcaat att 673

<210> 25067
 <211> 803
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25067

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 ttccctcat gattataact atcaacatct aacaggacta gtcaatacct tctgggtgta 180
 tctgatgccg atcctgggag catggatcgc agatgaattc ttgggccgtc ttagaaccat 240
 ccagatctcg attgcatttg ccatgtttgg tcacatcctc ctaatcatat ctgcactccc 300
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 aatctcacag atcgaatatt gcccgttga ttgcagagca gcatagaggc aatcgtccgt 480
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 ccagagtctt catgtacttc tatttcatga tcaatgtcgg cgctctaata ggctcgattt 600
 ccatggtcta tgcggagaaa tacattgggt tttggctgtc ctttcttctt ccaaccgtca 660
 tgtttgatt ttgtccaatg gttctgttca tctgccggca caagtacaac actacgccac 720

caactgggttc ggttgtaggc aaagcgttta gactgtgggc ttctgcaatg aagccgcatt 780
ggacctggaa tcctgttaga ctg 803

<210> 25068
<211> 450
<212> DNA
<213> *Aspergillus nidulans*

<400> 25068

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gttctcgccg ccgcagtc aa tgcctgcacg ctggcactgg tggacgccgg gataccgatg 180
cccggggttg tgtgcggatg tacagcaggg atgagtggca gtgcctcgac gccaaagagat 240
ccgatgaacg acaccctgga ccctttgttg gatgtctcct taccggaaga gcaagagctc 300
ccattcctta ctgttgcaac gacctcggtt cctgccgtta tgacagatgg cgatgaagat 360
gacatgaaag tctcgatgct gacaatggat tcaaaagtgc attacagtta tatcgagacg 420
atgctgggct gtaggggtga atgggtgtaa 450

<210> 25069
<211> 1125
<212> DNA
<213> *Aspergillus nidulans*

<400> 25069

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attctttcga cttggccggg ttctctaatt aacttgtcaa aactgttgga cccgtggctc 120
caagtgaagc agccgttggt aagcctaaat ggccgtcttc tcagctagtc cggctctgcg 180
tggaatattt caaaaaaact catctgtatt cggatatttc gtcgttgacg tggatgagac 240
tgctcaaatt ataaaagaca atgagcttga tctaaacgat gcgtcaattg acaccagaag 300
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tgatttagtc ctgcaagata gaagtccacg agctctggaa accttgetca tgacggtaag 480
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gggcgaaccc cagaccagcg aggccctatt gtccctggca gtgcggattg tcttcaatac 600
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 tgacctcagc ctgcgagggtg caaacatcca tctgggatat tacttttgcc taaccaagat 1080
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<210> 25070
 <211> 1054
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25070
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 ctgcgtgggc cgagcattga gagtacacag caccctcgcy aagcagtaag tcaattaaat 180
 cataaaattt aagatgatat taaatgtgga cagaatgctc tatgagtttc acctcaatga 240
 aaactccaag aaaccgtcca gcgtgcacgc cacctatgtc ctcacggggg tgccaagcc 300
 cgtcgaaccc gtgaggaacg gagccactgc caatggcaac ggtgacaacg aagatgatat 360
 aatgccgagc agtccttata tcagcagctc gctgccaac cggaaactg aatcggacca 420
 agttcctgta tctgccgtac tgctggcgcy ggaggaagat ctagaaggca agtattgact 480
 caccgtgacg ggccggccat gcctctaata gtcactaact agcgctacag atgcaaaatc 540
 cacatttgag tcaatatctt ctatatacat ttatagcctg caacctacca tactgcagga 600
 tctcaatgtg ctactgatg tcagtcgtga gatgctgggt aaccatgcgc acgaggatcc 660
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aacaggtgta cgaccaccac ctcccccttc gagtacggtg ccagcaaaaa gacctgcccc 840
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tcctgccaca tcagctgtct ttggtgctga gtcc 1054

<210> 25071
<211> 270
<212> DNA
<213> Aspergillus nidulans

<400> 25071

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acggcatcgg aggcaccaat tgaagatttc tacaacgaag acagccccgc aatcatgcgg 180
aggaagatgt tcctgcggtg gtacctgacg aagatcgtca ctgatccgat gcagatggat 240
ttctggaggt atttgaataa agtcgggtga 270

<210> 25072
<211> 993
<212> DNA
<213> Aspergillus nidulans

<400> 25072

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aaggaagcta agaaggctga atcatcttcc gagtccgagt ccgactcgag cgacagcgat 180
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gaggttccca aggccaaggc taaggctgct gagtccagcg acagcgagga ctctgactct 420
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<210> 25073
<211> 977
<212> DNA
<213> *Aspergillus nidulans*

<400> 25073
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ccctcgtcgg gtcaacagac atctactgca tccccggtac ccccgattta atccatcgac 180
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ctattggcgc cgtatcactc gcagccatgg ttttctgct ttcagatcct ccaaccgctc 840
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<210> 25074
<211> 706
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 25074

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acatggaagg accttcccgt ccagttcctc tctacctccg aaccgcttga tgcgagaatc 180
ttgatcggat cgttcgggaag ctccgctgca tacaacaagc ccgcgtttca gctgtctcta 240
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gttcagatc ctcccgccg ttgctgccgc tggaaccgtt gcatttatta gcggtagccg 660
tgcgcttgga gaagtccagg gcagacgtct ggctggtctc cgggtga 706

<210> 25075
<211> 372
<212> DNA
<213> Aspergillus nidulans

<400> 25075

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gcctatacct tgccggacgg cactcgtctg gagaacacta ttccagcggg cgcgagggtt 180
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<210> 25076
<211> 593
<212> DNA
<213> Aspergillus nidulans
<400> 25076

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ccggtcaggc acaaacgata cctgccaccg acattgttgt ggctgctggc ccgtggacaa 540
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<210> 25077
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<212> DNA
<213> Aspergillus nidulans
<400> 25077

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 gcgcgtttga gcagaagggtg gaggagccgc cagacaagaa ctttcaatat ctggttatcg 600
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 aagggaggta ttggacgtgg ttcgatgagg ataagtag 698

<210> 25078
 <211> 612
 <212> DNA
 <213> Aspergillus nidulans

<400> 25078

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<210> 25079
 <211> 876
 <212> DNA
 <213> Aspergillus nidulans

<400> 25079

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<210> 25080
<211> 1093
<212> DNA
<213> *Aspergillus nidulans*

<400> 25080

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<210> 25081
 <211> 592
 <212> DNA
 <213> *Aspergillus nidulans*

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 cctcaatttc cccgttatcc cgggttccga tgggtgccggc gaagtcacg aggtcggatc 300
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<210> 25082
 <211> 599
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 25083
 <211> 863
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25083
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863

<210> 25084
<211> 1657
<212> DNA
<213> Aspergillus nidulans

<400> 25084

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<210> 25085
 <211> 1551
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25085

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<210> 25086
 <211> 510
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 25087
 <211> 758
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25087
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 ggcagacttt cgtgacaatg cgtctagtt ggcgtatgta tctctctga gtgctgggta 240
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<210> 25088
 <211> 750
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 25088

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<210> 25089
<211> 2088
<212> DNA
<213> *Aspergillus nidulans*

<400> 25089

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<213> *Aspergillus nidulans*
<400> 25090

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<210> 25091
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25091

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<400> 25092

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<210> 25093
 <211> 339
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 25094
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<400> 25094

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<212> DNA
<213> *Aspergillus nidulans*

<400> 25095

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<210> 25096
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<212> DNA
<213> *Aspergillus nidulans*

<400> 25096

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<210> 25097
 <211> 348
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25097

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<210> 25098
 <211> 321
 <212> DNA
 <213> Aspergillus nidulans

<400> 25098

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<210> 25099
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25099

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<210> 25100
 <211> 480
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25100

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 <212> DNA
 <213> *Aspergillus nidulans*

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 <400> 25102

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 <212> DNA
 <213> Aspergillus nidulans
 <400> 25103

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 <212> DNA
 <213> Aspergillus nidulans

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<210> 25105
 <211> 1946
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25105

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<212> DNA
<213> Aspergillus nidulans

<400> 25106

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<210> 25107
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<212> DNA
<213> Aspergillus nidulans

<400> 25107

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 <211> 584
 <212> DNA
 <213> Aspergillus nidulans

<400> 25108

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<210> 25109
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25109

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<210> 25110
 <211> 621
 <212> DNA
 <213> Aspergillus nidulans

<400> 25110

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<210> 25111
 <211> 626
 <212> DNA
 <213> Aspergillus nidulans

<400> 25111

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<210> 25112
<211> 544
<212> DNA
<213> *Aspergillus nidulans*

<400> 25112

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<210> 25113
<211> 911
<212> DNA
<213> *Aspergillus nidulans*

<400> 25113

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<210> 25114
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<213> Aspergillus nidulans
<400> 25114

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<211> 1589
<212> DNA
<213> Aspergillus nidulans
<400> 25115

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<210> 25116
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25116

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 <211> 1353
 <212> DNA
 <213> Aspergillus nidulans

<400> 25117

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<210> 25118

<211> 705

<212> DNA

<213> *Aspergillus nidulans*

<400> 25118

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<210> 25119

<211> 690

<212> DNA

<213> *Aspergillus nidulans*

<400> 25119

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<400> 25121

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<400> 25122

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<400> 25123

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<400> 25126

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<400> 25127

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<210> 25134
 <211> 554
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 25134

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 gggtcattgg tgtgaagacc caggacgcca acgcaagggc ccagtctctt gatgaaggct 180
 ctcgtgtgtt gctgaacaag gtcggcctct ttgcagatgg cgctgcggtc aagagtgtgg 240
 ggtcgaaatg ttggcgcgtg gccccgaagg tagtagatga gattatcttg gtttcaaccg 300
 atgagacttg cgctgcgatc aaggatgcat ttgaggatac acgctcgatc atcgaacccg 360
 ctggtgcgct ggccattgca ggattaaaga aatatgtcgc caagcgcccc agccccaaca 420
 ccagccgtga actggttgca atcacctcgg gagcaaatat ggattttgac cggatgcggg 480
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<210> 25135
 <211> 477
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 25135

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ccaatggaca cagccagcac cggatctatc gtccttgctg gcggcggtcc ctggaagaca 420
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<210> 25136
<211> 511
<212> DNA
<213> Aspergillus nidulans

<400> 25136

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<210> 25137
<211> 530
<212> DNA
<213> Aspergillus nidulans

<400> 25137

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aagacaacgt gtttgagtcc cgtgacgtgc tgcacgggct ggcccatatg gcttcgcacg 180
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cgtgggtgat ttatgtggct gccctcgtag tctggtgcta tggatacgcc ttggaaggtc 480
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<210> 25138
<211> 622
<212> DNA
<213> Aspergillus nidulans

<400> 25138

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cgaaccggat gccacaaacc gcggcgggcgt cgtggacgcc cttttcgcca cgctgagaa 180
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gcagcaggct ttagctactt ag 622

<210> 25139
<211> 1782
<212> DNA
<213> Aspergillus nidulans

<400> 25139

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tctgttagtg cttcatctaa cgaaaccgct catcgatcaa cggatgacgc cgagcatgat 180
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aatctggcgg atagagagcg caaacgtgtg atgattgggg tggataacac tctaagagag 1740
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<210>

25140

<211> 328
 <212> DNA
 <213> Aspergillus nidulans

<400> 25140

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 caaatccagc agactttgac gatcatggtc ttgatgggtga tgccaaggag aagactatta 180
 tgcagctatg gagcagcagc ggcaaatgga gctcatgcat gagcaggatg agcagctgga 240
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 aagacaggca attatgatcg gagagatt 328

<210> 25141
 <211> 1055
 <212> DNA
 <213> Aspergillus nidulans

<400> 25141

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 gaaaagcccc gagatatcac gacgaatatt ggtgggtctg ttgccctcca gccagctgga 180
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 ggattggtta cccattctcc gcgctcacac gtcgaaactt gctatacgct ctcttcaata 420
 ctctagaagg acgctcaaag gtgaaagttg gggccaaagt tgtcggcatc gaccgcagca 480
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 tcaactgggtt cgttatgatc aagttggatc ggacttacgt ccatccaaat gtaccaagat 840

ggccacagag agaggtcaaa gcgaagctag aagagctcgg tggttacccg ctctacgggc 900
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<210> 25142
<211> 699
<212> DNA
<213> Aspergillus nidulans

<400> 25142
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gacgtaaga tcggtggtgt ctcaactcct tggttctttt gttgggtcga ggttgtctgg 180
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tacaatccga gaaacaagcg agaaggcgat actgagacga agagctggga gaagtctgtg 420
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aagcgcaata tcaatcttat cggtattctt tatgatgctt ctcgcagcat gttccctatg 600
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<210> 25143
<211> 506
<212> DNA
<213> Aspergillus nidulans

<400> 25143
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acgcagagcc tgtttatgat actctgaata agcttattgt gaactcaggc gagttgtcaa 180

aaaagaagga cactccggct acccagaagt caagattgcg gcttctggcc gccaatcat 240
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 attccatagc tcttgtagcg caggatccac ttccagaagt aagaagcggg tttatcaacc 360
 aactgaagaa gaagcttgta caggataccc ggctgggcgc acggtgggtat gtcataccgt 420
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 ctccggctgc attcttctcc caacag 506

<210> 25144
 <211> 276
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25144
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 ccccttctag caggcgctca cagcagtcaa aaggccctc tcaatcgtca tggcgtgcct 180
 tctctcatgc gcgatgtgca tattggctat ctgtgcgatt ctctagaaga ctacccccag 240
 ggctcgttgc aatggatgcc agtcggcctt ggatga 276

<210> 25145
 <211> 231
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25145
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 aacaactttt tcttcccagg tgagattact ggtggaaaca atttcggctc gatctatctc 180
 ggacgaggaa gacagcccaa ccaataccca gactctgcta tggattctat g 231

<210> 25146
 <211> 324
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25146

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tcatacttct acgtcggcgg ggagtacgtc aacaccaccg atggctggat gatgcataac 180
cagatgtacg tcgagaagct ctgcgggca agggggacca cacagctcta tccgattgtg 240
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ggtgtcgaga cctacggatg ctaa 324

<210> 25147
<211> 237
<212> DNA
<213> Aspergillus nidulans

<400> 25147

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gttccgccta aaccagttcc ctctgccgct cggactcggg agtcactgga tggtagagacg 180
atcttcgccg tcggtgaaga tggcgacaaa tgggtctgatg atgaggatga gtcgcgc 237

<210> 25148
<211> 654
<212> DNA
<213> Aspergillus nidulans

<400> 25148

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gggcaggaag tcgtgccgct taaggctttt catgactggt ggacgaaatt tgagaggagg 600
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<210> 25149
<211> 1025
<212> DNA
<213> *Aspergillus nidulans*

<400> 25149

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ggagaggagt ccgagaacaa tgcagaggtg aagaccgagt ctggtgccgc gaatgatgca 180
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<210> 25150
<211> 733
<212> DNA
<213> *Aspergillus nidulans*

<400> 25150

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cctgagaacc ctttcggagg aattgttgaa gacagactag gtggtcagat gaaaataaca 300

acatatgtgg attatttcca cacgatgtat aaggcacaat actttcagcc tttcgacccc 360

tacctggact gcattgtgct cttccacccc ggtcttggac accctgccag ctcccacgag 420

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gtttaaagct tag 733

<210> 25151

<211> 1372

<212> DNA

<213> *Aspergillus nidulans*

<400> 25151

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atcgatcacc gtgagctgct ccatgacctc atccatcccg tgctcttaat ggcacctgac 180

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<210> 25152
 <211> 357
 <212> DNA
 <213> Aspergillus nidulans

<400> 25152

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 cccgttggcg ccggtacgct cgtcctagat aatgtcgact tcagcggcgc taccaccggt 180
 gttgctgggg tctacggcac tgctatcctt gccggtggct ctggtgaaga caactggggt 240
 cagggaggta tctaccgcc cgtgtccgga aacacgcgct ccggagacct cacggccgac 300
 gctgaagccg aggatgatga acggatacat accagcatcg agaccgatta cgagtga 357

<210> 25153
 <211> 396
 <212> DNA
 <213> Aspergillus nidulans

<400> 25153

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aactatacgc ctgactggga actctgggtgg cgcaatcctg aggatgtcca gctttatcag 180

ttcttgggca aagacaacgt gccctttcac agcgtgattt tccccggatg tcagctggga 240

accaaggaga aatggactat gtcaccatc ttgaataccg ccgagtactt gaactacgag 300

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<210> 25154
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25154

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ttggtgacag tgaggatgag aaggagcaa aggtatgtta acccagtgtt ctgtaaaacc 180

aactatgggg catgtctctg atgaaaatgg cagttccaac aagccctacg cattctagcc 240

tctctcgtgc cacggaaatc cgcatatgcg tcgaaaaagt caaatgttgt aggccacttc 300

attgaggagc atgtccttgg aataattacc caatttgccg acgccataaa tgatttccag 360

ataagacagc cgctcgtgga gaagaaaagg aacatcatgg ctatcgggcg gatgatcaaa 420

gttgcgcccc ggcatgtcag tagtgctttg cctcaggtct gtttttcgac cccgccacga 480

ctagactgac cagacatact gaacccgagc agatatgtgc ttgcctgcgg tcggcattag 540

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<210> 25155
 <211> 931
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25155
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 caacggtcaa ggctccctcaa gtcaaggccg atgacggcgc cgtggtgaat gttgaccagt 600
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 aggagtcca cttgaacgtt tatggcgagc ctcgcttgaa gcaggaggc ctgccgacaa 720
 ttgacgtcga ctacaataag acggtcacta tgaaggtga gctggagtta accgattttt 780
 gctggtggtc atgtactgaa tacgcacagg gctcaacaag ctgcacggct tcgacatcaa 840

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tcccaacccc tccgtgttgc agttggacat g 931

<210> 25156
<211> 401
<212> DNA
<213> *Aspergillus nidulans*

<400> 25156
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ttggaaagtc gtgctgcctt ctgcgcttca gtgaggattc gttcacacca tcgtttatca 180
cgacgattgg tatcgacttc aagattcgga ctattgaatt agatggtaaa cgggtaaagc 240
ttcagatatg ggacacagct gggcaggagc gatttagaac aatcaccacg gcttattaca 300
ggggtgcgat ggggtattctt cttgtttacg atgtcaccga cgagcgttca ttccagagta 360
aaataacccc atcttacgtt ctcccataca ccggtcgcta a 401

<210> 25157
<211> 912
<212> DNA
<213> *Aspergillus nidulans*

<400> 25157
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tattgccgtg cggaaggagt cggtagcgtc ttcacaaac gtcttgagga tgcattagca 180
gaaaatgata ctattctggc cactatcctc gacatcaaaa caaaccactc ggccatgtcg 240
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cgaccccgag ataaaccgtt gtacgtggga tctgocaaag cgaacattgg ccatggagaa 480
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gctcgcaatg tgcataattgc ttttgagcca aaaccgtggc ctcggacaga tacacctcga 660
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 tctggccacg ttgggaagtc cctcaagctg aacttggaaga aattgcggga tcatttggtg 840
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<210> 25158
 <211> 663
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25158
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 atcgacattt tgaaccaccg gccactcgct aaagttgaat ggcgcgccgg tctacagaac 180
 gtcgactttg tcgtactgga agacgttagt gtaaacgaag agattgccaa caattacggc 240
 ccacgcaata acgagcagcg tacgtgtaac cgtacattat gcgcatcaaa tgagctgacc 300
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 taa 663

<210> 25159
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25159
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tcggcaagta ttttaacgtc cccggctctc atctctgcca gccttctcca caacgtacac 180
ccgtgatcct gcaagcgga acctcaaagg caggcaagac cttcgcggcg cagcacgcgg 240
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gagagcttgc gaagtcgcaa tacggacgcg atccgtcctc gataaaattc ctggccctac 360
tctgcccggg tctgggaaag acagaggagg aagcgaagga gaagtttgca tactaccgca 420
gtctgggttc cattgatggt gcgctagcac tattcggcgg gtggacgggg atcaacctcg 480
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tcgag 545

<210> 25160
<211> 767
<212> DNA
<213> *Aspergillus nidulans*

<400> 25160
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gggaggaaag gcccgccaaa gggaacgaga gagccatggt aaacgctacg aggttgaaca 120
gaacgactat aagaaggacc gtttgatcaa cgagaaccaa agtaggctag ccccggtgtgg 180
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tcttctcgat cgaactgccg cgagtggagg aatcctccat gtccaagaag cagaaagtaa 720
atcgacctcg gtcaaccagc gcacaaacca aaaagcagcc aaatacg 767

<210> 25161

<211> 435
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 25161

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<210> 25162
 <211> 471
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 25162

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 gatcccgtc cgctggcgaa ctccaagcgc cagccttctt gggccctgta tacgattgac 180
 aagaacgttt cgcttaacat cggtgtgacc tcgcactttc aggaccacga tattgacacg 240
 gcgctgtata ctccgtcgac ggatgaaaaa cagcaggcat gggatttgat caatctcatg 300
 accgttgagt tcgcaactat ccagggaac gtctatgaca gactctattt agtttccgcg 360
 atgcgaatga ctgagcagga gaagatggaa agcattcggg gtctttcaac ggacctcatg 420
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<210> 25163
 <211> 514
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 25163

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 gagtcaaggc atcgacgaat tgcggtctga aaaggcccg c atggaggatg ctcttcgagt 180
 agcaaaagaa gaatacgaag agcaacttcg aaagcaaaaa gaagcgtttg agacgcatat 240
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 catggccgaa aagggttttg agcatgcttc gctgctaaag gaggcccagg tcatgagcca 420
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 atcgtcgtac gatcntcttc tcaatggcat ttcg 514

<210> 25164
 <211> 276
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 25164

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 tcctcgtgat cggcgcgctc ctttccggtc ctacattcgg cggcggcact gctaagatgt 120
 gtgaccttgc cgccgaacaa tccatgaagt cattagaaag caccctgctg gggaataactt 180
 tattcgagtc ttttagagaa gagtacgcct tccgtacaag tcatngatgc tcttgtcttc 240
 atttctgctg tccgtgcgcc gaccagcgag gattca 276

<210> 25165
 <211> 444
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 25165

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 tcggaactaa tgtagccact atgggcgcat ttgtatctat ggctcccgcc aaccgatga 180
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<210> 25166
 <211> 283
 <212> DNA
 <213> Aspergillus nidulans

<400> 25166

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 aatgaccgag gagcgaacaa ctaaccctcg agataacttc cgggagagcg tgcgcgatat 180
 gaaagccgta tttgggaaac tcaaccttga tgaaactgag agcgaagcta gcccggttc 240
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<210> 25167
 <211> 786
 <212> DNA
 <213> Aspergillus nidulans

<400> 25167

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gagcctcagg tccactatgg tctaactcgt tctggaaatc aggtaatgaa agatgcgaga 720
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<210> 25168
<211> 1101
<212> DNA
<213> Aspergillus nidulans

<400> 25168

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gataatccgg caaggaagga atctctcctt ccggatccaa taccggcgt acgcgataat 540
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<210> 25169
 <211> 488
 <212> DNA
 <213> Aspergillus nidulans

<400> 25169

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<210> 25170
 <211> 576
 <212> DNA
 <213> Aspergillus nidulans

<400> 25170

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ggagaaggcg aggagaacgg cgaggagcag aatgctgcc aatctgttcta cgagttgctc 180
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tgacgataca cacactctca ttgtccttgg tcttgagcct ccctccgctc aagggcagac 480
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<210> 25171
 <211> 432
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 25171

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 cgcaacgaaa tcgaccccgt caaacaagca gccgactact ccgacgcctt gacctttctt 180
 tcaacgcagg cttcagtata tccatctcag ctcttcttct ggggcatgtc attctccgcc 240
 gtcgtcgccc tctgcgccgc gacaacggac aaacgaatcc gcggcgctct cgccatcgcg 300
 cctctgacag acctcactta caagcccag catagacgag ccaaggtgct gcagcagtgt 360
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 gagcaaccgt aa 432

<210> 25172
 <211> 466
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 25172

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 cgtagatctc ctagatacca agtacatcgc ctgggctgag taccaggaac acatgcccta 180
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 aaagcacaac ccgcttatct tgtacgactc tgctcgctgag aatgacatgc gccggcgctca 300
 gatcaagaac ttacacatt tcgacgatga tctagccagc gagaagcttc cccaatgggc 360
 cttcttttac cccaacatga ccaatgacgc ccatgacacc aacataacct tcgctgctaa 420
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<210> 25173
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25173

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gagattgacc agattgcgtt cctcggcgac aatgtgcaaa cctggcacga tggggcctcg 240

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acctgcagtc gtatacggat gacgagtact acgactacaa aacgggagag gggggcgagg 480

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gcatcgaaaa ggactttggt cgcattccatg agctctgcat cgggtcaatat atcctcgaag 600

ccctccagaa gaacttcacc gcgtcgctaa ccgcgtacga cgcgttgatg gaagatggct 660

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<210> 25174

<211> 219

<212> DNA

<213> *Aspergillus nidulans*

<400> 25174

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gttaatcttg gggagtgcgg agatccggta ttatttgaag aggaaccgac aagccgccac 180

aattgagctt tatggggtga tttaaaaggt caatcgca 219

<210> 25175

<211> 381

<212> DNA

<213> *Aspergillus nidulans*

<400> 25175

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gtcaaccgca cggtcacagc aacgtgggtg tgccggggcg agcgctcgc gatgaattct 180

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gctgctggga agtcaagcta a 381

<210> 25176

<211> 787

<212> DNA

<213> *Aspergillus nidulans*

<400> 25176

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tggtgtggtta gacgttttgt aaaggacggt atcatcacca acagcaccac taagactctc 660

gcatcacata aaattcaaac tcgcgatgag cataaacccc ggtcggagcc agttttggaa 720

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<211> 429
 <212> DNA
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 25178

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<210> 25179

<211> 405
 <212> DNA
 <213> Aspergillus nidulans

<400> 25179

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<210> 25180
 <211> 523
 <212> DNA
 <213> Aspergillus nidulans

<400> 25180

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cattacagac cctgccactc ctctgcaga gcatgatgca tccatggaga actcacctac 240
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tactattacc cctctgggcc tcogcaagtc acggcagttt tccactatta accgaaagga 420
gtcaccgaac ccgcacagcg ggcttctatc gccctcggac ttctatcgtg tgaccctcac 480
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25181

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cccgcctgct aacgacttcc ttatccacta aatacagtgt cgcgatcagg acttttcaata 180
tgggatgcaa tcaaaggccg cgagggggacg aggcctgcat ttcgtgttgg tcaggttgac 240
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<210> 25182
<211> 347
<212> DNA
<213> *Aspergillus nidulans*
<400> 25182

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<213> *Aspergillus nidulans*
<400> 25183

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<210> 25184
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<212> DNA
<213> Aspergillus nidulans

<400> 25184

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<212> DNA
<213> Aspergillus nidulans

<400> 25185

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<212> DNA
<213> Aspergillus nidulans
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<210> 25187
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<212> DNA
<213> Aspergillus nidulans
<400> 25187

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<210> 25188
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<212> DNA
<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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<210> 25190
<211> 243
<212> DNA
<213> *Aspergillus nidulans*

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<210> 25191
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<212> DNA
<213> *Aspergillus nidulans*

<400> 25191

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<400> 25196

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<212> DNA

<213> *Aspergillus nidulans*

<400> 25197

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<210> 25198
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<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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<400> 25201

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<213> *Aspergillus nidulans*

<400> 25202

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<212> DNA

<213> *Aspergillus nidulans*

<400> 25217

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<400> 25218

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<213> *Aspergillus nidulans*
<400> 25219

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 <212> DNA

<213> Aspergillus nidulans

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<210> 25221

<211> 1037

<212> DNA

<213> Aspergillus nidulans

<400> 25221

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 <213> *Aspergillus nidulans*

<400> 25222

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 <213> *Aspergillus nidulans*

<400> 25223

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 <213> Aspergillus nidulans

<400> 25224

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<210> 25226
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 <213> *Aspergillus nidulans*

<400> 25226

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<210> 25227
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<400> 25228

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gtggagccca gtatcatgga ggaggatgag aatgaggata gccgggcgac tctggacagt  780
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<210> 25229
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25229

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aaaatggcta ccccttcaga accagcaccg accaattgta aggtcatgct ctccaagcat  180
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catctggtcg gattcctggc gaacaatgat cctgcggcgc tgatgtacgc gcaatggacc  300
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cccattggtc gggcgtagt gttgttcgtg tcatgtccgt tttgttgtgt tccctcaaaa 420
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 aatgcattt tgcctgcac gcctctcgca atcgtcaaga ttctggagca cctaaacatt 780
 tacaacacag ttctgccgta tggtaacagg ctacatggtc atactatctg cgttggtaac 840
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<210> 25230
 <211> 606
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25230

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 gatgttggct ttgcaatggg cgttgcaggc accgaagtcg ccaaggaggc gtcagatatt 540
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<210> 25231
 <211> 537
 <212> DNA

<213> Aspergillus nidulans

<400> 25231

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agcagagata atggggttct gggcgacgga agtaatatga cactcaagga acaagagaag 480
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<210> 25232

<211> 1112

<212> DNA

<213> Aspergillus nidulans

<400> 25232

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<210> 25233
<211> 777
<212> DNA
<213> *Aspergillus nidulans*

<400> 25233
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acagttaatc cctacggcac acattatgaa ccgatctcaa cccgaggctc gatgccccca 180
ggcgtcgcaa cgacgccgcc cgaataccga cggagatcga gcgtacaaca ccgccgagga 240
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gagctggact cggaggaagc tgagatggct acgcgaaagg ctccggaggg gtttgaggaa 480
gttgtggaga gcgtgcggtt ggctatcgag ctccggcgtc acccccgaaat gatctcccaa 540
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aatctattcc cttgcttttt cggtcgcgca tgcttgattc ccaacttgtc ctatgtctcg 720
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<210> 25234
<211> 718
<212> DNA
<213> *Aspergillus nidulans*

<400> 25234

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aatgcttgcg gtttgttcct aaagctccat ggcagaccgc ggcccatcag cctcaaaaca 180

gatgtgatta agagccgcaa tcgagtcaaa actgcaggcc agggaccaaa gcgcaaagtg 240

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gagatcgga gctggcacc ctcctctggg ggtttcgcag ggatatcgtc gcgcgtcgcg 420

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cggactttcc ggcttgacc aggcggctgc gcagtcttat tacaatttca acattgcgcc 540

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<210> 25235

<211> 762

<212> DNA

<213> *Aspergillus nidulans*

<400> 25235

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atcagactga gctttcactc gcgtatccga gtcaagtgga aggaggatgg tgatgtccat 240

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aacgccgctc agttcaagaa ggtcattatg aagttatcgg gtgacgtgaa atgggcagcc 540

ggtctggttt tcgaacgcaa tgtcaacgag aatgagcgct cgacggagtt tagacccac 600

tatgatgttg tctgcggaa tccaaactat atcaaccctt cagaacgaga ggtaagtgt 660
 tacgcctaata tgtaagtgc aatgcactaa ttggtgtagg attacgatgc ttatcgcggt 720
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<210> 25236
 <211> 345
 <212> DNA
 <213> Aspergillus nidulans

<400> 25236

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 atgacaatca acggaataa cacgctaaga attcgcgcta cgggggttaga ggatgggggtc 180
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 gaagaaggag acgtgccgcc aagtcccgga catgtcgaag tctga 345

<210> 25237
 <211> 1506
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 25237

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 gatcgggcca ctgcaaagt gattatcaac cttccagag ggccactctt ccacgctgta 180
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acttcaacta attctccgc cactagccgt aggagaagac atgccccagt ggatttagtt 660
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<210> 25238
 <211> 351
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25238

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 cctcgcaagg gcagtcaggc cagattcgtt ccatacgttt tcgaccgga ggaggagctc 300
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<210> 25239
 <211> 432
 <212> DNA
 <213> Aspergillus nidulans

<400> 25239

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 cgcgagtca gt 432

<210> 25240
 <211> 330
 <212> DNA
 <213> Aspergillus nidulans

<400> 25240

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<210> 25241
 <211> 354
 <212> DNA
 <213> Aspergillus nidulans

<400> 25241

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atgaccagaa gctgggccaa tctcagcccc tacaaggatg caggcagctt tgggggtcccc 180
aaggggggtcc ccaaaggctg cgagctgtcc caagttcacg tcctgcaccg ccatgccgag 240
cgatacccta cgggctatcc tctggatggg gaaggatgg aagatttcgc gacgaagctg 300
gccaaactaca ccaagaccca ttcgggtcaag gggcctgtgc acagggtccc ttga 354

<210> 25242
<211> 255
<212> DNA
<213> Aspergillus nidulans

<400> 25242
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<210> 25243
<211> 744
<212> DNA
<213> Aspergillus nidulans

<400> 25243
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cccgctccgag tgattggttt cattgccctc ggcaccctcc tcttcccgat cgtcatcatg 660
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<210> 25244
<211> 312
<212> DNA
<213> Aspergillus nidulans

<400> 25244
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<210> 25245
<211> 207
<212> DNA
<213> Aspergillus nidulans

<400> 25245
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agcatcgcca actcgcggac ggattag 207

<210> 25246
<211> 1009
<212> DNA
<213> Aspergillus nidulans

<400> 25246
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aaatatgggc tatacaagta tattcgtttc aattccgagg tcacagaggc gcgatggagc 180
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<210> 25247
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 <212> DNA
 <213> *Aspergillus nidulans*
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<210> 25248
 <211> 636
 <212> DNA
 <213> Aspergillus nidulans

<400> 25248

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<210> 25249
 <211> 1415
 <212> DNA
 <213> Aspergillus nidulans

<400> 25249

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<210> 25250
 <211> 747
 <212> DNA
 <213> Aspergillus nidulans

<400> 25250

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gcctatgtgc ctgctatgag tgacgagacc attattgttg agaatcaagg cactatcttc 480
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<210> 25251
 <211> 984
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25251
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<210> 25252
 <211> 673
 <212> DNA
 <213> Aspergillus nidulans

<400> 25252

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<210> 25253
 <211> 366
 <212> DNA
 <213> Aspergillus nidulans

<400> 25253

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gcgaagccgg aaacctctt ctccgcttc gcattcttga atggcgccga ggcggggacg   300
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<210> 25254
 <211> 1011
 <212> DNA
 <213> Aspergillus nidulans

<400> 25254

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<210> 25255
 <211> 732
 <212> DNA
 <213> Aspergillus nidulans

<400> 25255

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<210> 25256
<211> 1052
<212> DNA
<213> Aspergillus nidulans
<400> 25256

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gaattgaaac gaagagtgcc caccgccgat gaggcagctgg agaagtaccg tcgtcggatg 660
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<210> 25257
<211> 798
<212> DNA
<213> Aspergillus nidulans

<400> 25257

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<210> 25258
<211> 1188
<212> DNA
<213> Aspergillus nidulans

<400> 25258

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<210> 25259

<211> 555

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 25259

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<210> 25260
<211> 1081
<212> DNA
<213> *Aspergillus nidulans*

<400> 25260
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<210> 25261
 <211> 1101
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25261

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<212> DNA
<213> Aspergillus nidulans

<400> 25262

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<212> DNA
<213> Aspergillus nidulans

<400> 25263

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<210> 25264
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25264

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<210> 25265
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25265

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 <400> 25266

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25267

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<210> 25268
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25268

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 <213> Aspergillus nidulans

<400> 25269

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 <212> DNA
 <213> Aspergillus nidulans

<400> 25270

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<400> 25271

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 <212> DNA
 <213> Aspergillus nidulans

<400> 25272

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 <211> 290
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 25273

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<210> 25274
<211> 602
<212> DNA
<213> Aspergillus nidulans

<400> 25274

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<212> DNA
<213> Aspergillus nidulans

<400> 25275

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 <211> 261
 <212> DNA
 <213> Aspergillus nidulans

<400> 25276

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<210> 25277
 <211> 296
 <212> DNA
 <213> Aspergillus nidulans

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ccgcgcagct cggcaccggt gagcaacgat ggaagaccaa ccctgccgtc atggaggagc 240
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<210> 25278
<211> 654
<212> DNA
<213> Aspergillus nidulans

<400> 25278

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<210> 25279
<211> 577
<212> DNA
<213> Aspergillus nidulans

<400> 25279

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<210> 25280
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25280

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<210> 25281
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25281

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<210> 25282
 <211> 594
 <212> DNA
 <213> Aspergillus nidulans

<400> 25282

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<210> 25283
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 <212> DNA

<213> Aspergillus nidulans

<400> 25283

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<210> 25284

<211> 211

<212> DNA

<213> Aspergillus nidulans

<400> 25284

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<210> 25285

<211> 1208

<212> DNA

<213> Aspergillus nidulans

<400> 25285

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<210> 25286
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25286

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25287

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 <211> 324
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 <213> *Aspergillus nidulans*

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<210> 25290
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 <213> *Aspergillus nidulans*

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cctcatcaac gagaagagta tgtgcatgca ctacagcggt gccacgaaa agttcgctctg 360
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<212> DNA
<213> *Aspergillus nidulans*

<400> 25291

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<210> 25292
 <211> 462
 <212> DNA
 <213> *Aspergillus nidulans*

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 accaagcgca agcaggagaa cgggaagccg ggctcaaaag aaggctcgcc agctaaacct 360
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 ccacgagatg gagaggccaa cggacagacg gtcctaagga aa 462

<210> 25293
 <211> 780
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25293
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 cggctctggg atgcggctac tgggtgctgag aagtacacac ttgagggccca cagagattgg 180
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<210> 25294
<211> 504
<212> DNA
<213> Aspergillus nidulans

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tctgtgactc ttaccaagga cgacgggtgt cgctatggaa caaccgtcga atccctctca 180
aagattcgac ctgcgttccc ccagttcggg gataagagta ccggcggaaa ctcgagccag 240
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<210> 25295
<211> 316
<212> DNA
<213> Aspergillus nidulans

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<210> 25296
 <211> 209
 <212> DNA
 <213> Aspergillus nidulans

<400> 25296

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<210> 25297
 <211> 1275
 <212> DNA
 <213> Aspergillus nidulans

<400> 25297

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 gagtgtgcta cactcaaccg gttgcgtcag gatatgaggg gtgccggcaa ggacagcgcg 180
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<210> 25298
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25298

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<210> 25299
 <211> 1246
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25299

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<210> 25300
 <211> 579
 <212> DNA
 <213> *Aspergillus nidulans*
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<210> 25301
<211> 501
<212> DNA
<213> *Aspergillus nidulans*

<400> 25301
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<210> 25302
<211> 488
<212> DNA
<213> *Aspergillus nidulans*

<400> 25302
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488

<210> 25303
<211> 308
<212> DNA
<213> Aspergillus nidulans

<400> 25303

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taagtata 308

<210> 25304
<211> 417
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 25304

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<210> 25305
<211> 213
<212> DNA
<213> Aspergillus nidulans

<400> 25305

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tacgacatca tccacgtgca agaggtcgat tag 213

<210> 25306
<211> 464
<212> DNA
<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*
<400> 25308

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<212> DNA
<213> Aspergillus nidulans

<400> 25309

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<212> DNA
<213> Aspergillus nidulans

<400> 25310

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<210> 25311
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<210> 25312
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<212> DNA
<213> *Aspergillus nidulans*

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<212> DNA
<213> Aspergillus nidulans

<400> 25313

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<212> DNA
<213> Aspergillus nidulans

<400> 25314

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25315

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<210> 25316
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<210> 25317
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 <213> Aspergillus nidulans

<400> 25318

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 <212> DNA
 <213> Aspergillus nidulans

<400> 25319

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<210> 25320
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25320

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25321

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1044

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<212> DNA
<213> Aspergillus nidulans

<400> 25322

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<210> 25323
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<213> Aspergillus nidulans

<400> 25323

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<210> 25324
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25324

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<400> 25325

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<210> 25326
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 25326

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<210> 25328
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 <213> Aspergillus nidulans

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<210> 25329
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 <212> DNA
 <213> Aspergillus nidulans

<400> 25329

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 <212> DNA
 <213> Aspergillus nidulans

<400> 25330

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 <213> Aspergillus nidulans

<400> 25331

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<210> 25332
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<210> 25333
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<212> DNA
<213> Aspergillus nidulans

<400> 25333

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<210> 25334
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<212> DNA
<213> Aspergillus nidulans

<400> 25334

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<210> 25335
<211> 501
<212> DNA
<213> Aspergillus nidulans

<400> 25335

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<210> 25337
<211> 1083
<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> *Aspergillus nidulans*

<400> 25338

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 <213> Aspergillus nidulans

<400> 25339

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 <213> *Aspergillus nidulans*

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995

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<212> DNA
<213> Aspergillus nidulans

<400> 25341

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<210> 25342
<211> 736
<212> DNA
<213> Aspergillus nidulans

<400> 25342

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<210> 25343
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 <212> DNA
 <213> *Aspergillus nidulans*

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 <212> DNA
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<210> 25345
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25345

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<210> 25346
 <211> 1218
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25346

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<211> 1724
<212> DNA
<213> *Aspergillus nidulans*
<400> 25347

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25348

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<210> 25349
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25349

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<210> 25350
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 <212> DNA
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<400> 25350

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gatcctgctg tgccatgggg gaccgattgc gaggccggag gatgagaggt ttattcttgg 780
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<210> 25351
<211> 416
<212> DNA
<213> Aspergillus nidulans

<400> 25351
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cttcagaga aagagaggga atgggggaca caaaacaaaa ctaagaactc attgcaggtc 180
acgcctgtct ctggcagtac ctcttcatgc accttgctcg cgtcaagagc atgacccttg 240
agcagttgaa atcctaccac tccacagact ccagttccct atgccccggc catccagaga 300
tcgagaacga aggtgttgag gtaacgaccg gccactggg tcagggtgtc gcgaacgcag 360
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<210> 25352
<211> 718
<212> DNA
<213> Aspergillus nidulans

<400> 25352
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agatcaattc gacgagcgcg aggagacatc tcgctatggg aacgattacc gcctcggaac 180
 tacccgacgc aatacgaaca ctgaggtcga gtatccgcca cacacggtac aacttggggc 240
 ttatcgtggc tcttatcctg aagtgatgcc aacaccggga gtaagcttga ctctctcgcg 300
 aacttttgat ctatgcctct aatcggcaaa tagcatcca tgtctctgcc gtcacagagt 360
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 ccggcgggac ccttgtcagc agaggcccgc tgtatcgagg ccgctttggg gagccaattt 660
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<210> 25353
 <211> 1068
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25353

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 tcgaactgca cactcaacaa ggacaattct gttaatggga ggggcactaa gagaccagaa 180
 cccaatggga aatctgattc aggaatggaa aacaacaagt tcgccttctc gcccgaccag 240
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 tctgcctccc cagccccatt aacgccatca cgtgatacta ttgcggacgc atcgaggac 480
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 aatgattggc agaaagaacg gcaattcgcg aagctcaaca agaagaaaga agatcggtat 780

gtcaagggtta tcaggtcagg ccagatatcg gaggtgtcga cctacgatat tattgccggg 840
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<210> 25354
<211> 561
<212> DNA
<213> *Aspergillus nidulans*

<400> 25354
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gttggttcgag agcccatgtg tcttggtccac gaatcttccg gcatcgtcac agccatcggc 180
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cgcaaagtgc ccctctgttt gtcgaaacca agccgctaca acctctgtcc ggagatgaag 300
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gtagagccgt tggccgtctg tttacacgct atccgccgct cgaaccccc tgetcaatcc 480
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ggtttttgcc ggaccctttg a 561

<210> 25355
<211> 666
<212> DNA
<213> *Aspergillus nidulans*

<400> 25355
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gtaggctacg gcgggatgaa cggtcgctc tctaacatcg acattgacgg gttcgcctct 180
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<210> 25356
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25356
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 ccagcgtcat caaggacctg ggagacaacc gcccgaagga agacacaatt gccgagttcg 180
 acaagttgat gctggacaag tttatcgccc tcgacgaaga caagtgccag ttcacctacc 240
 agttgattac cgccatgggg gccacaaacg tcgttgaggc gggcactagc ttcggtgtca 300
 gcacgatcta cctagcgctt gcggtcgcaa agaccaaggc ggcgatgggc aagccaggcg 360
 tggtcattgc gaccgagaag gagaagcaaa aggtctcaat tgcgagggat tactggaggc 420
 agtgcggcga cgaagtcgag agccagatag atcttcgaga gggggacctg ctggagacat 480
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 tttga 545

<210> 25357
 <211> 206
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25357
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tcgaggcttc aaaaacatct ccgcctgcgg atgagtcgac atctgtgcag tctagctcgg 120
gtccggcaga cgaagcgacc cgtttgaaag agcttcacgc cgatatccgc gatcaagatg 180
ctctagagag agatataacg cgtcag 206

<210> 25358
<211> 413
<212> DNA
<213> *Aspergillus nidulans*
<400> 25358

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gctggtcgag accagatddd gctggacgaa tcgccagaag caaagagacg acgcaaggtc 180
gcagaggatg gtatgcggta gtgcccatt cttcatccta tgttgagtgc tgttactaac 240
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ccgtcgacga ggacgaagat ctggaggatg aggacgaaga agatgaggtc gattatgacg 360
acgatgattt agagcaattc tcatcaaaat ccaagaagaa acggagtgga tag 413

<210> 25359
<211> 1125
<212> DNA
<213> *Aspergillus nidulans*
<400> 25359

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atcaccggtg gtcggaggg tatgggcaag gccgttgctt gccagctcgc ccagaaagga 180
gccaatattg tcattgtcgc tcggacactt cagaagctcg aggaggccat tgaagccatc 240
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gctgccaatg tcaacaagca gaggtttcac tacatcagtg ctgacctcac gaaacccgaa 360
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gtttggtgct gcgctggata ttgcactcct ggatatttcg tcgagacatc cgtccagaca 480
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aggaagtggc ttgttcccat taaccctagt caccagcggc cattgcctcg acgacacctc 600
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 ggctctcgcg cttccaaaga acgagcccgt gccactccag ccgatgtcaa gattcatacg 780
 gtgttcccca tgggtattct cagccctgga ttcgataacg agcaacaaat taagcctgcc 840
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 ggttggttga gcaacttact attcctgggg gttgttcccg atcttcggaa gcaggcattc 1080
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<210> 25360
 <211> 524
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25360
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 gatctggatc ataactgcac tccaataggg ctttgtgggt cttatgggtgc accattcaag 180
 attacttgtg ccacatttgg atatactatt gtcgggaaag ggacaacttc gagactctgg 240
 aaggaggtgt caagcgaggt agatgtttac cgtgtgctcc agcctgcccc aggatcagca 300
 gttccagtct ttcttgagc tattgatttg gcccaaactc acttccttca tggcgcgagg 360
 gaaatctgtc atatgctcct tatgggctgg ggtggcgagg gcatgggcaa tataaaactt 420
 gacaagacca tccagcgtgc aatttctcgc tcggtaaagg aaatacgctc tctaggtatt 480
 ttccaccagg accttcgttc ggaaaacatc ttgtggaatg ctga 524

<210> 25361
 <211> 263
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25361

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 cccagacccc ttctcgcag cttccagaga gcgactgggt tcgccgaaca acaagatatc 180
 catgagccaa ccgctactgt ccgagaatct ctgaggtttt ctgctctcct gcgccagcct 240
 caagaagtcc ccatcgaaga gaa 263

<210> 25362
 <211> 1076
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25362

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 ccagcttccc cgacgtttcc tgatgggatc atgacacctc tatgggcctc aaaacaccaa 180
 gatttggtcc ccgccgcagt gatcaatttc ttccgctct gtctcgactc gaccatgaac 240
 tcgttgctg acaatcaact aaaaatcgag atcaatgggt tgaaaaaaca gtggtcttct 300
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 cagaattccg gcaagaaatc gacgcggcgc tcaagaatta tgaaagtgcc tatgagaccc 720
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 gtctgtttag cgatgcgctt gcgatacga taattcgctg cttgctatct actggacata 840
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 tgatggctca cttcattcat caagcccaga atcctcattc taacacctct tggaaacctt 1020
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<210> 25363
 <211> 1021
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25363

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tacgcgtcgt aaaccatccc gagcagatta tctatacttt tgtgaagcct ttgagctttt  180
gaacaccttg aggtcgttct cagtacggat ttgccagtat gactattaca cccaacattc  240
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ttgaacactt tgcaacagat ccctggggccc agcatgtggg ggtagacata gaagctcagc  420
gcgagcgggt gctagcggaa cctggaagcc gcaagatcct aatcatcggg gccggggttg  480
gaggtctact gtttgccgtg cgtttgatcc agactgggcg atttaccgct gaggatatta  540
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<210> 25364
 <211> 561
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25364

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 ccatagcatg aacttgccctc gctgagcgca attgcttctg ataccagaa actacaagca 240
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 aacgcaacca aaattcagct ggagaatgag aaacgcgcgc atgaacgtac acttgccaaa 420
 caagctcaac aaaaagagga cgtcggagca ctgaccacga agctcgaagt agcacgtcag 480
 gaattggaac tggcgcgtcg ccacggcgca gcacaatata cggcagaaaa acagcacccc 540
 accagtttcc ggcgaaaata g 561

<210> 25365
 <211> 1090
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25365

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 atggaaccac cgtcgaatct gtcgccact gcctctacac cctccgccgt ctctagcct 180
 cccgttatgc tgtaatccct gttacagcag acatgctcat caaggagcca tggacactta 240
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<210> 25366
<211> 266
<212> DNA
<213> Aspergillus nidulans

<400> 25366

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ttccagcagg tgcctctccc gcgcttcate cgctccgtcc aggttcactc cttcgacttc 180
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gaggatgacg aagacgggtga ctcggg 266

<210> 25367
<211> 684
<212> DNA
<213> Aspergillus nidulans

<400> 25367

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gtcgccctcg accaaacgat cataggggta gccattcccg aaatcacgaa ccaattcaag 180
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<210> 25368
 <211> 440
 <212> DNA
 <213> Aspergillus nidulans

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<210> 25369
 <211> 213
 <212> DNA
 <213> Aspergillus nidulans

<400> 25369
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<210> 25370
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 <212> DNA
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<400> 25370

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<213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25375

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<400> 25376

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<400> 25378

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<400> 25380

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<210> 25381

<211> 1394

<212> DNA

<213> *Aspergillus nidulans*

<400> 25381

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<210> 25382
 <211> 1746
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25382

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<210> 25383
 <211> 1069
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25383

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<210> 25384
 <211> 1522
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 25384

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 ctgattgtca ttgtgtgcta ggctctcga cgacgacggc gagccaggta tccaggagta 240
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 aatatgaaac agacaggcgc gtgagcacgc tcttcgctcg gtcgaagcac tggaaaggct 420
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agctggccgc caggtacaag gagctagcgt tggaggcaaa ggaaggaaag accaccgaag 540
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<210> 25385
 <211> 330
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25385

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330

<210> 25386
<211> 596
<212> DNA
<213> *Aspergillus nidulans*

<400> 25386

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gacgtctacg cctccaccga gactggcgtc acggaggatg agacaaactt ctccatcacc 480
atccctgata accttggcag ccagtgtctc gaggccggcg cctgtgttct ccagtgggtac 540
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<210> 25387
<211> 660
<212> DNA
<213> *Aspergillus nidulans*

<400> 25387

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ccgattacgc ctctgccgc ttatactgag ttctgaaag tcttcaactc tatcttctcc 180
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gcggagccgc ctcaagcgc tggacctcgc agtgccggac ctcaagtgc tacacttgat 480

cgcactcctt attctccaat tgattggagg ctacgctacc tggatgctcc ccggagcgcc 540
aaccctcgaa gctccaacca caagatgagt gtgcgacatg tcatcacgca cagcatcaca 600
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<210> 25388
<211> 953
<212> DNA
<213> *Aspergillus nidulans*

<400> 25388

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cgccagcctc gtagagctat gctgcgagaa cgggtgcttat gcgataattg gagacattga 240
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aaacacggtg tccaggatct catgcgctcc ctccacgcca acctcaactc tccttaccga 780
cacagcatcc gcatcaacac gatctgccct tggatggccc agactggtag cacattctcc 840
aagaccgctg aggagcgctg gaccaaggaa ggcttgcctt ttagtactgc cgatgatgtc 900
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<210> 25389
<211> 344
<212> DNA
<213> *Aspergillus nidulans*

<400> 25389

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 tacggatggc catattaaag aaattgcatg gcactctatg ttctttgaat gaccagcttg 180
 ctaaagacaa agctcttgag gataagtgtt tgatcctaac accagacgag ctgataacaa 240
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<210> 25390
 <211> 291
 <212> DNA
 <213> Aspergillus nidulans

<400> 25390
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 cgctcaaacc aagaactgcg acatttcatc tcagagtcac gcgagagcca agccgacaga 180
 gaagagctgg agggctacat agcggaaaat gatgggggtg aaaagtcgat gattgagcgt 240
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<210> 25391
 <211> 318
 <212> DNA
 <213> Aspergillus nidulans

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 gttggcctag aatacctccg aaagaactat cccatggatg aagacgccgc cattatcgcc 180
 cggatcgaac gagaggagcg ggagtatgaa gagaaacttg cgcgagaggc ggaggaactg 240
 ggtttatata aaccgcaaag tggcacatat ggcgcggact gggcgagcaa aatgatccgt 300
 cgggaaggag tgttctga 318

<210> 25392
 <211> 318

<212> DNA
<213> Aspergillus nidulans

<400> 25392

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ggcgagacga cggcgaaagt ctatagtcgg cgtaagtaca atgagacatt cctgcagagg 180
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aaccaggtat tcctccct 318

<210> 25393
<211> 516
<212> DNA
<213> Aspergillus nidulans

<400> 25393

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gggaataaga ggtagattt cagatttgca agctag 516

<210> 25394
<211> 390
<212> DNA
<213> Aspergillus nidulans

<400> 25394

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aagctgcgcg agctgttccc caaggacccc atgatccacg tgaaggaata cctggaaagt 180
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gagattatgg aggggacgac gtatgatgat gctgcgcggt ttacagcgag gactgtgctt 360
gattgccagg caagcgggtgt tttgaggtgt 390

<210> 25395
<211> 405
<212> DNA
<213> Aspergillus nidulans

<400> 25395

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cgagcagctt tccaagatcg gacaccggc gtctccttaa tagcactgag taacaatctc 180
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<210> 25396
<211> 899
<212> DNA
<213> Aspergillus nidulans

<400> 25396

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<210> 25397
<211> 595
<212> DNA
<213> *Aspergillus nidulans*

<400> 25397
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cggcgctgca atgcagggcg ccgcatgttg aaaacgctcg attgccctct cgtatgcctt 180
cagctcgcgc aatcatgacc ctgtcatcat cgcgaggcg tctcggcatt cagtacgggt 240
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<210> 25398
<211> 501
<212> DNA
<213> *Aspergillus nidulans*

<400> 25398
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<210> 25399
<211> 561
<212> DNA
<213> *Aspergillus nidulans*

<400> 25399
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<210> 25400
<211> 528
<212> DNA
<213> *Aspergillus nidulans*

<400> 25400
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<210> 25401
<211> 609
<212> DNA
<213> *Aspergillus nidulans*

<400> 25401

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gaagaagagg agggtagtga agatggcgat gaagatatgg atgggtttct cgacgatgag 540
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cgggcataa 609

<210> 25402
<211> 357
<212> DNA
<213> *Aspergillus nidulans*

<400> 25402

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 ctgtacacac ctctgacggt gcgtgggggtg accttccaca acagacttgg cctcgcgccg 180
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 ggtattgccc agcgcgggccc cggctctcatg atgatcgagg caacctccgt ctacactgaa 300
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<210> 25403
 <211> 498
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25403
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 ttaccgggtg caaaggcaat actacttcga ttccagagac cgtcggcgca ttatccgtct 240
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<210> 25404
 <211> 315
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25404
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<210> 25405
<211> 899
<212> DNA
<213> *Aspergillus nidulans*

<400> 25405

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<210> 25406
<211> 1186
<212> DNA
<213> *Aspergillus nidulans*

<400> 25406

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<210> 25407
 <211> 804
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25407

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<210> 25408
 <211> 635
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25408
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 aatggtgcag ctgcacggta agcacaccat tacttaggtg aaaggctttc taatctggac 540
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<210> 25409
 <211> 561
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25409

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aaccagatc tgagcgatta g 561

<210> 25410

<211> 753

<212> DNA

<213> *Aspergillus nidulans*

<400> 25410

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753

<210> 25411
<211> 786
<212> DNA
<213> *Aspergillus nidulans*

<400> 25411

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<210> 25412
<211> 1113
<212> DNA
<213> *Aspergillus nidulans*

<400> 25412

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<210> 25413
<211> 252
<212> DNA
<213> *Aspergillus nidulans*

<400> 25413

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cgatgcggat gt 252

<210> 25414
<211> 264
<212> DNA
<213> *Aspergillus nidulans*

<400> 25414

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<210> 25415

<211> 354

<212> DNA

<213> *Aspergillus nidulans*

<400> 25415

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<210> 25416

<211> 1236

<212> DNA

<213> *Aspergillus nidulans*

<400> 25416

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<210> 25417
 <211> 618
 <212> DNA
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 <400> 25417

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<210> 25418
 <211> 4927
 <212> DNA
 <213> Aspergillus nidulans

<400> 25418

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<210> 25427
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<212> DNA
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<213> *Aspergillus nidulans*

<400> 25429

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tccggctttg gggagcagaa gacaccaag cccttcgctg ctgcctgcaa taaatttata 420
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<210> 25430
<211> 543
<212> DNA
<213> Aspergillus nidulans

<400> 25430

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caacaggtca caagcggcgc tactgacgtc gacggcctcg cgcggaact tagcaaagga 180
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ggaaaacata cttctgtcac agttgtagag gctggtgact cgactgcaca gacttatggt 480
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tga 543

<210> 25431
<211> 728
<212> DNA
<213> Aspergillus nidulans

<400> 25431

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accggcgcaa ggccccgagc gactgcagct tgccaccgag ttacgacgtg tagaggccat 180
atgtgaggct aatctactcc gtgaagtga atttcctaca gccgatagtg gaaacgaaat 240

tatcagggca tgggtggagc aggtcattca aaactggaaa agactatgtg gccctcaatg 300
 gcatgacgac gaacttgggg aaggtggcca gcatgctttg gggaagaatg ttctcgaggt 360
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 gcgttttcat gcgaacgctt tcagaaagtg tcaccatttt atgttcttat ggttctgaga 660
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 ttacggat 728

<210> 25432
 <211> 470
 <212> DNA
 <213> Aspergillus nidulans

<400> 25432
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 ttgcgggcta cgcggatagt tcgattcggg tgttcgatat ccggaatggg cagcttttgc 420
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<210> 25433
 <211> 571
 <212> DNA
 <213> Aspergillus nidulans

<400> 25433
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gtcgccgcgt atgcagcaag tgaatacgct tctacaatcg gacgtgtcgc caaaccattc 180
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gttgagcaag ttagccacca tccaccgatt ggggtagcct tggctgaatc gccaaagtgg 300
gactactggg tatgttccga ctgccatata tcagtttaag gatatgtcgt tagctaaccg 360
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<210> 25434
<211> 543
<212> DNA
<213> Aspergillus nidulans

<400> 25434
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ccggtagcct cctacctccc aggtttcaga gtctcccagg aggcaaacgc cgccaagaag 180
caagacacat tcatcgagtt taccgtcccg cagggcgtct ggggttgac gctctcctac 240
tccatccctg ccggcacacc ggtcaacacc gtcgggcttg caccgtgga ggtcttttca 300
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agcttcgcct gtgccgttac catgacctac aggctgagta tttcgaatgg atatagcagc 480
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tga 543

<210> 25435
<211> 1909
<212> DNA
<213> Aspergillus nidulans

<400> 25435
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 cactcaaaac tagaactgga agcgaatgca cctgctaaag gactactgca gcttcaagtc 480
 aatagacccc accccatgcc ataactccgc ccacccatt cagagcgact cgactgttgc 540
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<210> 25436
<211> 407
<212> DNA
<213> *Aspergillus nidulans*

<400> 25436

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cctcaggtga tcccagttg gataaaatgg ttgaaaacta tgtcaaccgg actggaccgc 240
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acacccgatc aggacgtgtg tctgtcagac cgctggccta ctggaagaac gagcgggtgtg 360
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<210> 25437
<211> 488
<212> DNA
<213> *Aspergillus nidulans*

<400> 25437

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tcattttcca gattctcatt tgaatcgggtg tgggcatgaa cattgaaaca ccaatcattg 180
ctgttcaggc tgcaacaagt gttcgggaca ctgcggccgt tactgagacg atgggggttg 240
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aattcaacgg cgatcttgcc gtttcgagtg tagaggagat tggcgccctt ggactaaatg 420
cagatcaaga cggctttgtc agaaagatgt attttgaggc gttgggaatg gtatgggtta 480

tggaagt

488

<210> 25438
<211> 708
<212> DNA
<213> Aspergillus nidulans

<400> 25438

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<210> 25439
<211> 455
<212> DNA
<213> Aspergillus nidulans

<400> 25439

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<210> 25440
 <211> 748
 <212> DNA
 <213> Aspergillus nidulans

<400> 25440

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<210> 25441
 <211> 2455
 <212> DNA
 <213> Aspergillus nidulans

<400> 25441

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<210> 25442
 <211> 1911
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25442

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 cttgacgggtg atgtctatga cccgtctggg acactctccg gtggtagcgc gcccaactcc 1860
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<210> 25443
 <211> 594
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25443

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<210> 25444
<211> 746
<212> DNA
<213> Aspergillus nidulans

<400> 25444

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acgggagctg cgggagacat tggcccatcg gtcgctttgg tttctcacca tgtttttctt 180
cctatattcc ggggctgaga taaccctcgg cggtgagcta cctagttaa aggagccaa 240
ggatgcggct gacagttgat acaggatggc tggtgcaatt ttagtcggg gtgcgtcatg 300
gtgaccctga aaaggttggc tacgttgcgt ccgtcttctg gtgcggcttc accttcggcc 360
gtgttgcgct ggcagacgtg acacatcggc ttggcgagcg acgcatggc ttcataataca 420
tcgccgtggc gtcgcattc cagctcatgt tctggctcat cccaaacatt ctgattaatg 480
ccatttcggc ttgtttgtta ggtaagcgag cgcgggtggc cgaacaccaa tgcgtaacga 540
gatattctgac ctgtatataa ggattcttca tcggcccgtt ctaccagtg ggactctacg 600
ttctcacgca ggtggttcca caggagctcc atctcggggc gataggtacg tgacaaacat 660
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gctttggttc ggttggtgt gctgca 746

<210> 25445
<211> 894
<212> DNA
<213> Aspergillus nidulans

<400> 25445

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 ctatactctc ttacaggagt ggagccagag cgacagaaga ttcttgtgaa gggaggccag 180
 ctcaaaaacg atactctact atctactatc aatgcgaagc cgaaccagac attcatgatg 240
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 gaagcgtata tgggcggaag atttgaatct gtcactgagt gtgatgcacc ggctgcacag 840
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<210> 25446
 <211> 858
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25446

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 catttatgct aatatgactt accaaaatga atagagcgcg gtctcttctt ttaccagaac 180
 caccctatcc gttcgtgaa cttggtcggc ataatcgtag cacgcgccga cgtcccacgc 240
 cgaaccattt taacgctcga tgacagcacc ggcgcgacag tggacatagt ggtcttgaag 300
 agggatccct gccctatacc tgtcgcagct acagtcgaat ccaaaccxaa aaacaacacc 360
 gatgttcatg gcgaagacgg cgctcaaaag gagatgcacc tcacgtccac aaccagact 420
 ccgatcgaca taacgcccct gcagccgggc aagctctttc agataaaagg cacactgtcg 480

accttccgct ccacgaacca ggttcagctg gaacggttct tcccgggtgcc agacacaaaag 540
accgagatgc ggttcgtgga agcgcgcatg agatttctgg cggagggtgct gactgtgccg 600
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aggattgatg atgaacaggc aagacatagg aggagggcgc ggaaacgggc agagagggaa 720
gagagagaga ggaggaggat tttgaagctc tgggagcagg aggaggttgt tagggagaga 780
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<210> 25447
<211> 474
<212> DNA
<213> *Aspergillus nidulans*

<400> 25447
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cttgaagagc aggtcaggat aaagctggat tcaaacgagc ctatcgatac ggattattgg 180
gaggagctct tacgcagcct cactgtgtgg aaggctcgcg caaagctgaa gagggctctat 240
caagatgtca tagctgagcg agttcgggca ctacgtcggc aacagcgca ggaagctgag 300
tcagtcgta cgaagctggc gccactggcg cccgtggccc ggcagggcac agcgaaaatc 360
aacgaggaag agtttcgtga tctggatcct gaccattgc ttcagattcg tccagaggac 420
aaggtatacg aagtgataga tgaggaggcc ttcctcgatc aggtggtgtaag ttac 474

<210> 25448
<211> 601
<212> DNA
<213> *Aspergillus nidulans*

<400> 25448
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gctccaatat ggatcaaccg ggagatctct gcctagtga acccccagca agccagtacc 120
acctccgcag accaaccgcg cccggacacc ctctcggta gtaagtcctg tcaagtcacc 180
ctacaaacaa gcctctggct gcctctgtgg tgcggtagtc tatgtggatg ttcacactac 240

ggaaggtgag gatgcttgcg gcattttcat tgaactactc cagcaaattgg gagctagatg 300
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 ccgaaaaggg caggggtggga atacccaagt tgttttaag gccgggggggt tccgaccctg 420
 gaaaagggcc gcaggccccg ggcttttcaa gtgcgggggg gtcggttggg gtctgaataa 480
 gttttccttt atccccaacg ggctgtttta ctggacaca ttaaggcaag aaagatggga 540
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<210> 25449
 <211> 1239
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25449
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 gttcaaacia agccaccta tggcagtaat gaaatcgata tcgcctgttg ggatgcgaag 180
 aatgtcatta tgcgtacaag gattcttcaa tcaattgcat cgcacgtacg agaaaccatc 240
 tgccggcaac gctctaccct agctgcggaa ctatgggcta ggatagcatc aacatatgcc 300
 ccatcgacgg ccgaagagcg ccttgtgacc gtcaaagcct tgcttgatat taaccacag 360
 ggtaactacc cagcgatgat ccgagattat caacggatag gggaaaagct taggcgaatg 420
 gatctatcct ttgaagatct tatccatgac atctttatct gttctctagg tcaatggcag 480
 caggactttg ttcatacaaa gctagacgag ttctactcct gcggccgagg accgatcaag 540
 aacctggata ttacgacttt tgcggggtcaa ttagttgctc gatcttctcc ctccagcaac 600
 aatgcatcc ccagcatcc gccacgattc aagcttgaag cgagatatcg aataagccct 660
 acagaactaa aggattcacc tcgaacgaag caggggtgtc agggtcagaa gcccatgcgt 720
 acaaaggtgc cttgtaaagc atgcggaaaa ggataccata ggccaaatga ttgtcgggaa 780
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 aacgaacccc cctggctctt gagcactgct gcagactttc atatctccta tagggatcat 960

gttttcagca acctccgaga tcatgaagca tcaataaaag acgccggtgg ccatgtacat 1020
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<210> 25450
<211> 363
<212> DNA
<213> Aspergillus nidulans

<400> 25450

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gttcccagct cacctcacca accacaccgg tacaaccggg taacctgtgc accgattgac 120
gcagatgaca agcgcgtgag atccgagatc gaccaactgc ggaaggactt tccaacacca 180
gatgctgcgc tgcaggccca ggaacaggct gcgcgcgagt tgagacagaa actagacgat 240
gcggaagaaga agcgcgagga ggtgcagagg gctatggata agaagatcaa ggagaggaat 300
acggagttga aggttttaga gaagtttcag gatgggaagg ggccagcgc tgcctgcct 360
taa 363

<210> 25451
<211> 837
<212> DNA
<213> Aspergillus nidulans

<400> 25451

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cggacagcat accagcgctt cctgcctgcc ctcggtggcc caatcgccct tctcccgtc 180
ccaaacaaca acgctaccct tgtctggtcc acgacggtcg aaaacgcagc ttacctcaag 240
tccctatcgc cgaggagcctt cattgccatg gtcaacgccg ccttcgcctt gggcatgcca 300
gatttacagt acatgatgcg catggagcgc cctcgtcctt cgtcggtcac gaacctcgac 360
gaagacctgc acgagagcga actcacttgg cgcctacagc aactccatc cccctctcat 420

ctccctccaa tggtcacagg cgtgcaagaa ggcagcgtcg cctcattccc gctacgtttc 480
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agaacaatcg agtacgtgtg gacgcatggg atggacatag gcgatatcct cacgctcgag 660
agatatacgg ctgagcggta cgccacgaac gcaaagatcg gtggcacctg cgatgtcctg 720
cacaagcttt ataacgtgcc cggccagggg cctgttgctg gggggcggag tctgggattt 780
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<210> 25452
<211> 444
<212> DNA
<213> *Aspergillus nidulans*

<400> 25452
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caaccgcagc ccgaaactca gaaagactcg gaagcaagtg ggacgcctaa gaagtcgcgc 180
aagcccaaga aaaaccggtc atatggagtg aaatacagta cttgccaacc aattatcctc 240
acattcgatt cacttgacct ccctcgttcg ggaaccatca gtatcctccg cgaatacctc 300
ttcgccgaag caaagtcgaa gcggggcatc gagattgaca aatctttggt caaaggcatg 360
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tacgtgaaa agttcgttca agac 444

<210> 25453
<211> 324
<212> DNA
<213> *Aspergillus nidulans*

<400> 25453
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gacgtagcgg ttggtagtct gcctcgcgac ggactctcgc agacctgcga gtgggtcagc 120
agagtcttag acgacgatgc agatatcttc gcccaacgcg ccgtatccac aaaggagag 180
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<210> 25454
<211> 688
<212> DNA
<213> Aspergillus nidulans

<400> 25454

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tttaaaggaa aagtctatat agaggggatgg tttgatgaat gcatgatccc tggcagttgg 180
aggattaaaa taagcaccaa tagatagact acagatgcaa ttggcctctg ctggcttcaa 240
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gatgggcatg gaagccacct aatgcctgag ttgaccgta catgcaagga gaataataat 360
atacctcttt gcatgcctgc ccattcatct cacctcctac agcctttgga tgttggttgt 420
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gttgcttcaa tcccttcttc tgagcttg 688

<210> 25455
<211> 1263
<212> DNA
<213> Aspergillus nidulans

<400> 25455

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 aagatgggtc tgtggattgg tgggcggcgt atcagattgg ccagcgcgtg tctgggcaat 1080
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<210> 25456
 <211> 614
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25456

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 aatctgcgga tgtggagcgg gtaaagaacg agcaagggcc gctttccgtc gttattacta 240
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agctcactga gatcctcaag gccagcaaga aggatgcacc taagactgag agtgccggcg 420
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gcttcctggg ctag 614

<210> 25457
<211> 251
<212> DNA
<213> *Aspergillus nidulans*

<400> 25457

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tcaaaatatt tcggccacgc atcggcgact cccgagagaa ccataggaag ttcacgcgaa 180
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aagaaacata a 251

<210> 25458
<211> 913
<212> DNA
<213> *Aspergillus nidulans*

<400> 25458

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tcacagaaca tggtagagct gcgctgaaca ccctcggtat caagaaaatc tttgatctac 240
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<210> 25459
<211> 1067
<212> DNA
<213> Aspergillus nidulans

<400> 25459

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ctattattga tctcggagag gtataaatca tatgtagggc ctccgtttac agcgtcaagt 180
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caccgcgcac agtccaatcc tttgtgatac tcggtccgac gcattcagtc tgggcttccg 300
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gtggaaacta tcgaaagaga gcttggaac gcacggcatt ggattggtaa gccgagcacc 660
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cggtgtcgcc aaatgtcggc atcggtctc cagtgagtca tcgggatgac tggagtaaag 1020
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<210> 25460
<211> 340
<212> DNA
<213> Aspergillus nidulans

<400> 25460
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agtggataag atgattgatt atatggaaga gccacttcga aagacgctgc gggacgagtc 180
gccgtacgta cgaaagaccg ctgctatctg tgttgccaag ctattcgact tgggaccagc 240
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aatggttgtg gccaatccg taacggctct ttctgagatt 340

<210> 25461
<211> 473
<212> DNA
<213> Aspergillus nidulans

<400> 25461
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atcagatgga actccaccgc ttctctctc aaaaattctt cgcagtctgg cacaaaagtc 180
ttgaaatcca cgcgagcag ttcagtctta taggtaatat gaactcgttc taccgcgatg 240
tctactggag caacaggcgc gccaacctcg gccgcctcct cgacgagccc gtcctctccg 300
aaataggcgc aatgtattcc aagaacctg cacacgtggt attagcctgg agcgtgaatc 360
atgggcgctc tgtgatcccg aagagtacga ttcttggca gatcaggcag aatgttgaga 420
gtgattttgt gcttgaggag gatatggaga ggattgatga gctgaatgcg gat 473

<210> 25462
<211> 1953
<212> DNA
<213> Aspergillus nidulans

<400>

25462

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 <211> 2159
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 25468

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<212> DNA
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<400> 25469

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 <213> Aspergillus nidulans
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<212> DNA
<213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 25476

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<210> 25477
 <211> 706
 <212> DNA
 <213> Aspergillus nidulans

<400> 25477

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<210> 25478
 <211> 935
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25478

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<210> 25479
 <211> 579
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25479

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gcctctgaat gggagagtgg ttatggcaag gagaagaaat ttcagaggcc taagaacaag  180
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cgatgttacc aagggatttc cttcttccgc gcaatcttct atttgatgtt caggtgggtg 300
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<210> 25480
 <211> 630
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25480

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<210> 25481
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25481

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cgacacgcat actaatcgga acagctcttc cgcggcgaat tcatattccc tcctgaaggt 180
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<210> 25482
 <211> 429
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 25482

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